

# The CHEMIST AND DRUGGIST

or RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

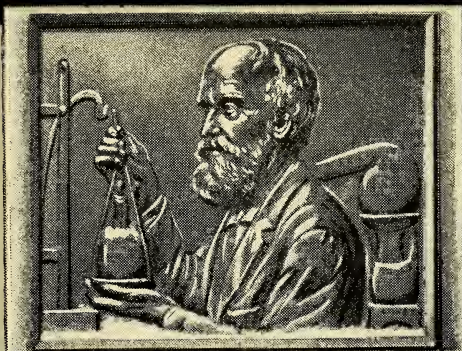
Registered as a Newspaper

301  
XXXIX

MAY 15, 1943

Annual Subscription (with  
Diary) 25/- Single Copies 9d.

## INTERESTING EVENTS IN PHARMACY No 19



DAVID WALDIE  
SURGEON L.R.C.S.E. AND CHEMIST  
MEMBER OF ASIATIC SOC. BENGAL  
B. LINLITHGOW 1813. D. CALCUTTA 1889  
A PIONEER IN ANÆSTHETIC RESEARCH  
TO HIM BELONGS THE DISTINCTION  
OF HAVING BEEN THE FIRST TO  
RECOMMEND AND MAKE PRACTICABLE  
THE USE OF CHLOROFORM IN THE  
ALLEVIATION OF HUMAN SUFFERING.

*Illustration shows the  
Memorial at the Doctor's  
Pharmacy in Linlithgow.*

## BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED. LONDON. E.6

... feel that the greatest of all services that call for gratitude is the alleviation of suffering. Waldie's contribution stands high in this endeavour and pharmacists can be doubly proud of their professional tie with him

## Parke, Davis & Co. Price List Information

# Sizes Discontinued

FOR THE DURATION OF THE WAR

### Specialities :

Cascara Evacuant, 8 fl. oz., 16 fl. oz. & 80 fl. oz.	
Cholelith Pills.....	25's
Chloretone Inhalant.....	10 c.c.
Cod-Liver Oil, Standardized.....	4 fl. oz.
Cod-Liver Oil Emulsion.....	5 fl. oz.
'Cosylan' (Syr. Cocillana Comp.). 8 fl. oz. 16 fl. oz. & 80 fl. oz.	
'Epanutin' Capsules.....	25 & 500's
'Fecto'.....	16 fl. oz.
Haliverol.....	15 c.c.
Hydrogen Peroxide Solution, 8 fl. oz. & 16 fl. oz.	
'Irradex'.....	2½-lb. & 7-lb.
'Orygene' Tablets.....	36's

### \* Tablets :

All bottles of 500 have been temporarily discontinued

### Soap :

Ethereal Antiseptic Soap, 4 fl. oz., 8 fl. oz. & 16 fl. oz.

(The only sizes now available are 10 fl. oz. & 80 fl. oz. and the supply of these is controlled by coupon or special permit)

\* Not including 'Emplets'

Parke, Davis & Co., 50 Beak Street, London, W.1  
Inc. U S.A., Liability Ltd.

## Milton' Bulletin No. 12

An Announcement

# STANNARD

## ARTIFICIAL OILED SILK

Milton Antiseptic Ltd. have pleasure in announcing that they have been appointed by William Stannard Ltd., Silk Manufacturers, Leek, sole distributors of Stannard Artificial Oiled Silk.

This is made to the specification of the *British Pharmaceutical Codex*, 1943, announced in *The Chemist and Druggist*, February 13, 1943. It is described as *sericum oleatum factitium (seric. oleat. fact.)* artificial oiled silk. (Synonyms: oiled rayon, waterproofed rayon.)

### TRADE PRICES (no purchase tax)

Each Sheet of Stannard Artificial Oiled Silk is packed in an attractive sealed folder and sold in boxes containing  $\frac{1}{2}$  dozen and 1 dozen sheets. Trade prices are as follows:—

6" x 6"	.	.	.	4/-	per dozen sheets
9" x 9"	.	.	.	7/-	" "
12" x 12"	.	.	.	11/-	" "

Stannard Artificial Oiled Silk is also supplied in rolls, of which there are two sizes:—

36" x 18"	.	.	.	3/6	per roll
36" x 36"	.	.	.	7/-	" "

Minimum carriage paid quantity 25/- worth.

Terms. Nett. Monthly Account.

Stannard Artificial Oiled Silk *cannot* be included in 'Milton' Bonus Parcels, but 15/- worth included at the same time as a 'Milton' Bonus Parcel will be sent carriage paid.

### ..... SIZES OF 'MILTON' PRODUCTS NOW AVAILABLE .....

	Retail Prices	<b>PATA</b>
Milton Antiseptic . . . . .	8d. and 1/11½	(inc. Purchase Tax)
Milton Denture Powder . . . . .	1s. 3d. and 2s. 2d.	" "
Milton Dental Cream . . . . .	1s. 2d.	" "
Milton Ointment . . . . .	*7d. and 1/11½	" "
Milton Nasal Sprays . . . . .	3/6	(free of Purchase Tax)

\* While stock lasts.

and for price list of Stannard Artificial Oiled Silk and details of 'Milton' Bonus terms.

Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks



# BOTTLES

OF EVERY DESCRIPTION



WHOLESALE  
AND EXPORT  
ONLY

We manufacture glass containers of every description such as DISPENSING BOTTLES, EMULSION, EMBROCATION, MILK BOTTLES, FEEDING, POISON, SAUCE, SYRUP BOTTLES, POMADE BOTTLES, JAM JARS, etc.

The gearing of our activities to the utmost aid to the Country Effort has naturally affected a variety of containers we are able to offer, and our service performance be restricted to for Essential Food and Drug requirements. We feel sure our friends will appreciate that doing our utmost to meet requirements under so onerous conditions that the quality of products is being maintained.

## LAX & SHAW LTD

London Office:

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Regd. Offices:

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Phone: 21568 (2 lines).

Grams: Feeders 'Pho



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by strict analytical, biological and/or  
clinical control of every product  
carrying the Evans name throughout  
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modern germicides.

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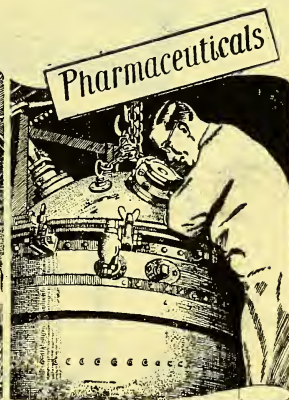
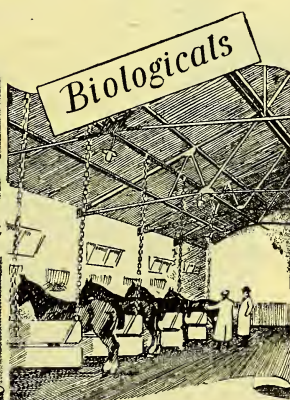
#### BIOLOGICAL INSTITUTE

produces under Ministry of  
Health licence a compre-  
hensive range of vaccines,  
sera and anti-toxins.

### EVANS PHARMACEUTICAL

#### LABORATORIES

are responsible for the pro-  
duction of the whole range of  
galenicals.



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*Personal Daintiness*

Personal daintiness and complete self-confidence as well as the solution of problems which have previously caused general nervous tension amongst women, follow the choice of Rendells Products for Feminine Hygiene. This important subject is objectively discussed in Nurse Drew's booklet "Hygiene for Women"—free from any chemist.

NURSE DREW, VICTORIA HOUSE, SOUTHAMPTON ROW, LONDON, W.C.1

**RENDELLS**  
PRODUCTS

FOR FEMININE HYGIENE

APPROVED BY DOCTORS  
SOLD BY CHEMISTS




## Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

# Rendells

**PRODUCTS**

FOR FEMININE HYGIENE

P.A.T.A.

2

W. J. RENDELL LTD. HARDWICK HOUSE, 161-5 ROSEBERY AVENUE, LONDON, E.



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Most chemists and pharmacists well know that the underlying cause of most Rundown, Nervous conditions and Deficiency diseases is Mineral and Vitamin deficiency.

In such cases VIKELP supplies the need for a sure and certain corrective. Each tablet contains 10 essential Mineral Salts—i.e.

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<b>Iron</b>	<b>Copper</b>
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<b>Sulphur</b>	<b>Potassium</b>
<b>Sodium</b>	<b>Chlorine</b>

and, in addition, **Vitamin B<sub>1</sub>**

Here is a perfectly balanced combination of all the elements necessary for complete remineralisation of the system. You can recommend VIKELP with every confidence. It is GENUINE—it is ethical—it is **PATA**.

**HEALTH PRODUCTS LABORATORIES LTD.**  
128-134 Baker Street, London, W.1

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(continued overleaf)

# The "MODERN" TEAT

ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

Ball Top, one-hole perforation, ensuring constant and steady flow.

Buffer shoulder protects baby's mouth.

Tab enables teat to be slipped over bottle in an instant with minimum handling.



● General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.

● Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.

● Will stand Repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated.

## NEAREST TO NATURAL FEEDING

"MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

OBTAINABLE OF ALL WHOLESALERS

CANNON RUBBER MANUFACTURERS LTD., LONDON, N.17



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Fig. 308



Fig. 434

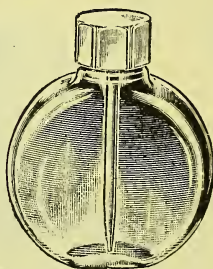


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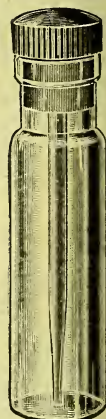


Fig. 715

THESE AND MANY OTHER TYPES FITTED WITH  
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ESTABLISHED 1891

# Excellent Prescriptions for a healthy business!



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Products in universal demand are a guarantee of good business. A platitude! But it pays to remember a homely truth like this when you see your stocks of Veno, Eno, Thermo-gene or Phensic thinning out. There is neither pleasure nor profit in running short of lines which millions ask for every day. So keep a wary eye on your shelves! Order well ahead. Then you will be sure of a healthy turnover and have the satisfaction of knowing that your goodwill throughout the neighbourhood is maintained.

**VENO DRUG CO. LTD.**  
CHESTER ROAD · MANCHESTER, 16





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**COX**

& CO. LIMITED

**BRIGHTON**

*Specialists in  
the manufacture  
of*

**PILLS & TABLETS**

Our service is being maintained to the best of our ability despite the present day manufacturing difficulties. Disappointments, however, are bound to occur, and we can only ask your kind indulgence.



# Every Chemist can now obtain Ribena

*. . . but only for  
children, invalids, etc.*

It is the wish of the Ministries of Health and Food that Ribena should be available in every chemist's shop—provided it is reserved for those in special need of Vitamin C. The loyalty with which the Trade has complied with this reasonable restriction of sales has enabled us to readjust distribution so that every chemist can now obtain

*small quantities regularly*

Order from your usual nearest wholesaler. In the event of difficulty, please write to us.

Ribena is rich in Vitamin C and contains, in addition, other nutritional factors associated with the *natural* vitamin. Apart from its palatability, Ribena is generally well tolerated, even in cases of impaired digestion. It is, therefore, particularly suitable for invalids, children, and expectant and nursing mothers.

***Ribena***  
**BLACKCURRANT SYRUP**

H. W. Carter & Co., Ltd., The Old Refinery, Bristol 2

P.A.T.A.

## Today's Interesting Supplies

**Perfume.** A new series of water soluble, suitable for re-sale when diluted with distilled water, 1/6 oz. plus P.T.  $\frac{1}{2}$  and 1 oz. plain bottles available.

**Perfume Essence.** Available in spirit and oil soluble, 2/6, 4/6 and 5/9 fluid oz. plus P.T.

**Emulsifying Wax No. 0582.** Makes an excellent White Hair Cream, 12/- lb.

**Gum Trag. and Gum Karaya.** Various qualities. Obtain your supplies now, 9/- to 35/- lb.

### SUPPLIES YOU CAN MAKE

**Lennard's Face Powder** (materials to make) 7 lb. for 44/- including tax per colour.

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**Liquid Stockings** (materials to make), 7 lb. coloured powder ready for adding water, 19/- including P.T., manufacturing information available.

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**Bath Salts.** By adding colour and perfume to pea-sized Soda Crystals. Crystals, 16/6 cwt. plus 3/6 carriage.

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Perfumery Labels and Seals. Attractive designs. Minimum 250 of a type. Samples, etc., 3d. Other printing services also available.

**Liquid Shampoo.** Particulars on request. Limited supplies available.

**Raw Materials, etc., Available:** Waxes, Pres. Chalk, Oxides, Mag. Carb., Kaolin, .880 Liq. Ammonia, Stearine, Stearic Acid. **Bottles and Jars:** Smallest Jar  $\frac{1}{4}$  lb. **Composition and Plain Corks.** **Face Powder Boxes:** Windowed, 1 oz. size, sample 6d.

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Teleg. Leenarvill, Hull

**LENNARD LEE-NARVILL & COMPANY**  
Lee-Narvill Laboratories, Anlaby Road, Hull

**LAQUER.** Range of 6 Lovely Shades and Clear and Naturelle, complete with Brushes. Orders for not less than 1 gross assorted of 1 gross Clear or Naturelle.

£10 16s. gross. Plus Tax 100%  
2s. 6d. carton (returnable).

**REMOVER.** £8 8s. gross.

Plus Tax 100%.

**TWO-SEC.** Liquid Concentrate. Excellent as a Shampoo, leaving soft silky finish to the hair.

£7 4s. gross. Plus Tax 33 $\frac{1}{3}$ %  
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£4 10s. gross. £2 10s. half gross  
Plus Tax 33 $\frac{1}{3}$ %, 2s. 6d. Packing

Retails at 1s. 4d. showing 66 $\frac{2}{3}$ % on cost.

Cash with order or C.O.D.

Orders of 3 gross or over carriage paid

**MAQUILLAGE ET C<sup>IE</sup>**  
(DEPT. C)

50 PALL MALL, S.W.1



He uses Sharpe and gets a clean shave every week after week on one blade. Widest advertising is stimulating sales. Sharpe tails at 3/11 (inc.

WARTIME

**SHARPE**  
RAZOR BLADE SHARPEN

Order from your regular wholesaler

**Dentesive**  
for  
**DENTAL PLATES**

"Squeezed from a tube"

**THE NEW BETTER TYPE FIXATIVE**

Holds firmer and three times longer than ordinary fixatives





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## BEAUTY AIDS

### On every woman's lips

National Advertising has rapidly placed Jean Claude Beauty Aids in the front rank of best-selling lines. If you have not already done so—stock up with Jean Claude Beauty Aids right away and cash in on their growing popularity. Limited stocks only are available and orders will be dealt with in strict rotation.

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**"Makes the hair behave"**

are your own supplies of this high grade cream, easy to make up, costs less than 2d. per

All materials available, also Bottles, Screw Corks and smart Gold Seal labels. Send for List.

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(late Brilliofix Pomade Co.),

52 Whitefield Road, Luton

rietors of 'Sulvalore' Soap Powders and less Powders. Suppliers to County Authori-

Board of Trade Registered Manufacturers. two well-known and tried lines to chemists

champoo manufacturers:—

Sulvalore' Comp. Soap Powder. (No. 1 quality.) Per cwt. bag, £7 10s. (only size).

Sulvalore' brand sulphonated lauryl alcohol.

carefully standardised pure white powder, cable and giving copious lather. Simple to

se, requiring no special diluents. Supplied to leading manufacturers. Per cwt. bag,

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W.O. will assist, please.

*Your customers  
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to save coupons*

- TINTEX revives old and faded clothes. Saves buying new.
- TINTEX dyes dark clothes light with Tintex Colour Remover.
- TINTEX assures perfect results.
- TINTEX is supplied in 16 shades.

# Tintex

## THE HOME DYE

*tints as you rinse*

WHITE. A laundry Blue for Wool- lens, Silks and Textiles.

Also TINTEX Stocking Dyes in 3 shades:

in 4d packets

Tanglo, Pan, Mist Beige. Send for Trade Terms and Tintex Shade Card.

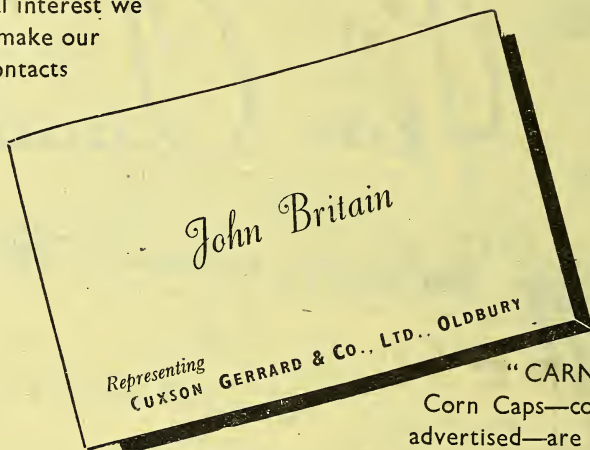
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Sole Distributors to Chemists: T. CHRISTY & CO. LTD. Old Swan House, 3 Castle Street, Farnham, Surrey





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"CARNATION"  
Corn Caps—consistently  
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...—The Traveller

**LABELS** for  
**COSMETICS**  
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Special Designs  
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Write for samples

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**THE EBOR PRESS, YORK**

**SUPER QUALITY**

**Absorbent  
Cotton Wool**

**COTTON WADDING**

Samples and Particulars from  
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**"ANGLIAN" (CF) "NORVEX"**  
**SURGICAL DRESSINGS SANITARY TOWELS**

Write **CROSSKILLS' of NORWICH**

**EXTENSIVE STOCKS**

::

**PROMPT SERVICE**

PH  
20

~~Sashena~~ LTD.

now-

LILIA

LIMITED

NEPTUNE STREET, HULL

## CHANGE OF NAME

So that the name of the Company shall be more closely associated with its principal product, the makers of Lilia Soluble Sanitary Towels announce the change of the name of the Company from "Sashena Ltd." to LILIA LIMITED.

The "Sashena" Cotton Wool Sanitary Towel is renamed LILAIN, and will in future be sold under this name only.

We thank our customers for their co-operation in the past, and look forward to a continuance of their valued support in the future.

LILIA

LILAIN

THE

"MATER"

CLINICAL REGD.

The position of the Mercury column is at once perfectly plain. Red markings above 99.4.

ALL TYPES OF  
CLINICAL

AND OTHER

THERMOMETERS

PERKEN, SON  
& CO. LTD.

(ESTABLISHED 1852)

Price List on Application:

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Telephone: 0724 Holborn

Telegrams: "Optimus, Smith, London"

"SURCO"

RELIABLE

ELASTIC HOSIERY  
SEAMED AND SEAMLESS

For special garments to measure  
we give the best possible service

SURGICAL BELTS  
TRUSSES AND SUNDRIES

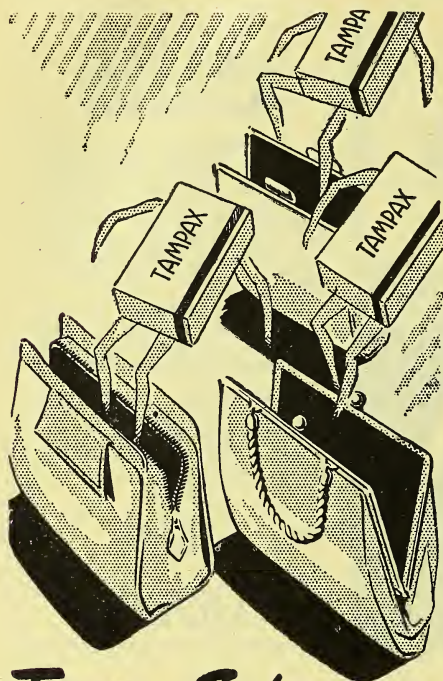
50 years' service of  
everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.





## *Tampax Sales are more than lively!*

Personal recommendations and consistent advertising are bringing new business for Tampax every week. And new Tampax business means two things—both acceptable to the dealer in these days. Every sale starts a steady *repeat* demand. And every customer who comes in for Tampax usually goes out with other purchases as well!

### **TAMPAX TRADE TERMS**

**DATA PRICES)**

Pkts. of 3. Wholesale 5/3 doz. Retail 7d. pkt.  
" " 10. " " 15/9 " " 1/9 "

*Manufactured in England by*  
**Tampax Limited, Belvue Road, Northolt, Middx.**

**Sole Distributors SPLENDOR LTD, 5 Beastmarket Hill,  
Nottingham; & 7c Lower Belgrave Street, London, S.W.1**



## **HOSPITAL BED SHEETING**

The IOCO RUBBER and WATERPROOFING CO., LTD. are pleased to announce that they are now manufacturing a new type of Bed Sheeting (non-rubber). This new sheeting meets all normal hospital requirements—is hygienic and capable of sterilisation.

*Write for samples and prices*

**THE IOCO RUBBER & WATERPROOFING  
CO., LTD.**

**GLASGOW, C.3**

**"WEBSTER'S"**  
**STAINLESS STEELWARE**

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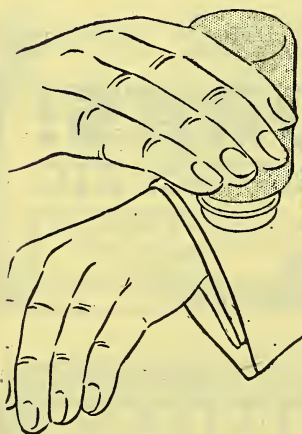
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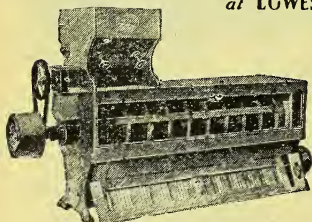
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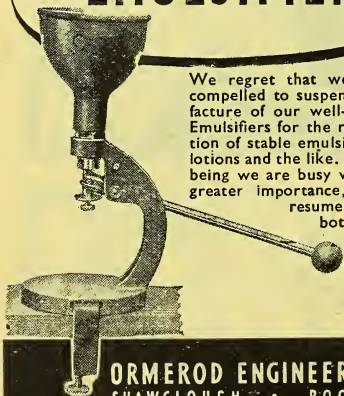
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## NEWS OF THE WEEK

**Saccharin Control Amended.**—The Saccharin (Control and Maximum Prices) Order, 1942, has been amended by the Minister of Food so as to prohibit the use of saccharin tablets and sweetening agents in the manufacture of any product, the use of other forms of saccharin and in manufactured foods. These provisions come into effect on May 30, but an exception is made of the use of saccharin in soft drinks. It is explained that raw materials used in the manufacture of saccharin and dulcin are in short supply, the purpose of the amendments is to (1) that the limited supplies of these are now available are used for domestic purposes; (2) that, with minor exceptions, saccharin is used only for making tablets, drinks and pharmaceutical products; (3) that dulcin is used only for making food and non-food products. From July 1, 1943, manufacturers of saccharin, soluble

saccharin and dulcin will require to be licensed and the purchase or sale by wholesale of saccharin and dulcin in powder form or in solution will be prohibited except against permits. It is provided, however, that permits will not be required where saccharin powder, soluble saccharin or saccharin solution is obtained or supplied for pharmaceutical purposes.

**Warble Fly Dressing.**—It has recently been reported that some heifers have been poisoned with nicotine through licking from the backs of other animals dressing used for killing the maggots of the warble fly. Stock owners who for the purpose of killing these maggots treat their infested cattle with the nicotine sulphate and lime dressing recommended by the Ministry of Agriculture, should be warned that the dressing would poison animals who swallow it. It is not necessary to use more dressing than is needed to penetrate each cavity containing a warble fly maggot: to bathe the animals'

backs with dressing is wasteful and may be dangerous. Care should be taken to see that no surplus liquid is left on the animals' backs after treatment.

**Pharmacy Act Prosecution.**—At Dartford, recently, Henry P. Hicks, grocer, was fined £3 for selling ephedrine contained in a proprietary article and a similar sum for selling the poison in a container not properly labelled.

#### Portsmouth Association and Branch.

The thirty-third annual meeting of the Portsmouth Chemists' Association and nineteenth annual meeting of the local branch of the Pharmaceutical Society were held on May 5. The following were elected to hold office: Mr. T. A. Johnson (*President and Chairman*); Mr. R. G. Tremlett (*Vice-president and Vice-chairman*); Mr. W. E. Bown (*Treasurer*); and Mr. F. H. Ruoff (*Secretary*).

#### Northern Ireland Chemists' Assistants.

At a largely-attended meeting of chemists' assistants held in Belfast on May 6, a resolution was unanimously passed to form a chemists' branch of the National Union of Distributive and Allied Workers. Mr. J. A. Kirk (area organiser) outlined what had been accomplished through trade-union organisation in other industries. A representative committee was appointed.

**Inquest.**—A verdict of "death by misadventure" was returned at Kettering, recently, at an inquest on a four-days-old baby who died from chloral hydrate poisoning. Nurse Alice Stuart (junior maternity ward sister at the hospital) said the child was crying and towards midnight she gave it some chloral as a sedative. The dose was two grains. At the time she considered she was justified in using the drug, but since then she had been informed that she was not. After administering the drug she signed the book.

**Guild of Public Pharmacists.**—Nine candidates are offering themselves for seven vacancies on the council of the Guild. Ballot papers have been sent out and these should be returned to the secretary (Mr. John H. Wood, 75 Lowther Road, Barnes, London, S.W.13) not later than first post on May 20 (see p. 495) or delivered personally not later than 6.30 p.m. the same evening. The candidates are Miss E. B. Blundell, Mr. F. G. Fleming, Mr. R. H. Henriksen, Miss E. Hodgkinson, Mr. F. W. J. Hooper, Miss M. C. Islip, Mr. S. F. Izzard, Mr. J. Moore and Mr. F. B. Royal. At the annual meeting a motion is to be put by Mr. Izzard

deploring the postponement of the Council election and urging that an election should be held at the next opportunity to facilitate a greater representation of employees.

#### Pharmaceutical Corps Examinations.

The Pharmaceutical Corps examinations anatomy and physiology and first aid will be held during the week commencing May 24. The written papers will be taken on May 25 (anatomy and physiology) and May 28 (first aid); the viva-voce and practical examinations will be held at the Hospital for Women, Soho Square, London W.1. Applications for entry to the examinations are accepted only if submitted through section officers, and must be received by May 17.

#### Additions to Enemy Traders' "Black List."

The Board of Trade announce a new Order, in force from May 10, containing 402 additions to the "black list" of traders abroad with whom it is unlawful to have dealings of any kind. Copies of the Order—the Trading with the Enemy (Specified Persons) (Amendment) (No. 1) Order, 1943 (S. R. & O., 1943, No. 64)—were made available at threepence per copy at booksellers, newsagents and H. M. Stationery Office, Kingsway, London, W.C.2 on May 10. Persons owing money to, holding or managing the property of, or persons specified are under statutory obligation to report particulars to the Customs and Excise of Enemy Property.

#### Export Licensing.

Under the Export Goods (Control) (No. 5) Order, 1943 (S. R. & O., 1943, No. 650, price 2d.), which came into force on May 24, licences will be required to export the following classes of goods to all destinations: Cellulose acetate, wood naphtha, adonitol, aesculin, alarabiose, asparagine, cellobiose, cyclitol,  $\alpha$ -dipyridyl, dulcitol, edestin, erythritol, galactose, glycogen, inositol, inulin, lactose, litmus and its preparations, mannitol, mannose, melezitose, mellitin, potassium tellurite, raffinose, rhamnose, salicin, sorbitol, toluidine blue, tryptophane, tyrosine, urease and xanthine. Coal tar products will, in future, be grouped together under one main comprehensive heading and, in addition to those at present separately specified in Group 13 of the Schedule of Controlled Goods, a number of new products will become subject to control. The comprehensive heading and the extended list of products are as follows: Coal tar products, the following: Anthracene, anthracene oil, benzol and benzoic acid, carbohydric acid, coumarone and its



polymers, cresols, creosote oil, cresylic acid, high-boiling tar acids, indene and its liquid polymers, naphthalene, solvent and heavy naphthas, pyridine, quinoline, styrene and its liquid polymers, toluol and toluene, alcohol and xylene, mixtures consisting wholly or mainly of one or more of the above. The existing licensing requirements with respect to (a) beverages, (b) wood creosote, and (c) phenol are superseded by the provisions that licences will, in future, be required to export the following:

(a) Beverages (excluding wines and spirits other than gin) and preparations suitable for use in making such beverages; (b) creosote, wood and mixtures consisting mainly of wood creosote; (c) phenol and mixtures consisting mainly of phenol. Copies of the order are available through any bookseller, newsagent or direct from H.M. Stationery Office, Kingsway, London, W.C.2.

**Limerick Chemists' Association.**—A delegation from the Committee of the Irish Drug Association travelled recently from Dublin to attend the annual meeting of the Limerick Chemists' Association. The Dublin delegation was headed by Mr. F. X. Meagher (president, I.D.A.), the two past presidents (Messrs. P. F. McGrath and T. C. Cott) and Mr. Brendan Smith (organiser).

Mr. P. V. Lowry (president, Limerick Association) was in the chair. A statement of the financial position of the Association during the past twelve months was submitted by THE SECRETARY, who stated that virtually all the surplus to credit had been forwarded to the Benevolent Fund of the Pharmaceutical Society of Ireland. At the ensuing year the following officers were elected, on the motion of DR. O'SULLIVAN, seconded by MR. P. A. McMAHON: President, Mr. P. V. Lowry; Vice-president,

Mr. J. Broderick; Secretary, Mr. W. Finley. A discussion on the alteration of the hours of opening took place, and it was decided to adjourn the matter until the next meeting. In the meantime the honorary officers undertook to ascertain the views of all the local chemists on the matter. On the motion of DR. O'SULLIVAN, seconded by MR. P. HOGAN, it was decided to request the Pharmaceutical Society to protest vigorously to the Irish Red Cross Society against its failure to have the status of pharmaceutical chemists in Red Cross divisions throughout Eire fittingly recognised. Other matters discussed were the sale of loose drugs in broken lots and in quantities. The meeting was of opinion that all loose quantities of drugs and chemicals should be accurately weighed,

and that no liquid poisonous substances should be sold in other than poison bottles. MR. SCORR addressed the meeting on the work of the Council of the Pharmaceutical Society, and stressed the need for chemists restricting the number of apprentices they took in. He also emphasised the obligation that rested upon chemists to give a proper training in the art of pharmacy to their apprentices. MR. MEAGHER addressed the meeting on the work of the Irish Drug Association, and appealed to members to improve the standard of pharmacy by better co-operation with each other, and by adhering to the regulations and prices of the Association. The co-operation which existed between the various Government Departments and the I.D.A. was explained.

**Leicester Branch Officers.**—The annual meeting of the Leicester Branch of the Pharmaceutical Society was held on April 14, when the following officers were elected: *Chairman*, Mr. A. W. Buswell; *Vice-chairman*, Mr. E. A. Tomblin; *Secretary and Treasurer*, Mr. F. Purse; *Social Secretary*, Mrs. Preece. On April 21 members discussed matters of professional conduct. The new proposed rules had their adherents as well as majority opposition to more than one of the proposals. Three representatives were appointed to attend the meeting in London on Whit Monday.

## COMING EVENTS

Tuesday, May 18

MANCHESTER AND SALFORD BRANCH OF THE NATIONAL PHARMACEUTICAL UNION, Onward Hall, Deansgate, at 7.45 p.m. Annual meeting and election of executive. Address by Mr. H. Steinman (a member of the N.P.U. Executive).

Wednesday, May 19

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 3 p.m. Annual meeting.

NORTH LONDON PHARMACEUTICAL ASSOCIATION and Branches, Beale's Restaurant, Holloway Road, N.7 (near Nag's Head), at 6.45 p.m. Annual meeting. At 7 p.m. Supper. Mr. H. N. Linstead, O.B.E., M.P. (secretary of the Pharmaceutical Society), on "The Pharmacist's Place in a National Medical Service."

Thursday, May 20

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 6.30 p.m. Annual meeting.

## TOPICAL REFLECTIONS

### Nearer to Peace

About the same time as the excellent news from Tunisia last Saturday came a copy of the *C. & D.* differing in some respects from recent issues. Your weekly contents have since 1939 been conditioned to a considerable extent by the exigencies of the war, among which I am inclined to rank the paper shortage as the principal one. Your last week's issue is notable, first of all, for its opening instalment of a price list of medicinal proprietaries (pp. 487-92). After your exposition of the purpose and scope of this outstanding feature (p. 479), I need not occupy space in attempting a detailed comment: I can only express my surprise that the list can be launched under present journalistic conditions. You have again earned the gratitude of the trade. A smaller novelty in the same number, the "Quiz" on p. 473, will serve a useful purpose in inducing many readers to overhaul their knowledge and locate any spots of "rust." The value of such a feature is not to be measured by the smallness of the space it occupies. There is a place in life, even in this year of titanic conflict, for simple and even homely elements of a balanced culture. I dare to think that these innovations presage a return to a world at peace—not necessarily within a predictable period, but none the less surely.

### Post-war Pharmacy

The meeting of the Edinburgh Chemists' Assistants' and Apprentices' Association reported on pp. 481-83 indicates that discussion of the post-war development of pharmacy has not reached a stage where rigid conclusions may safely be drawn. However, the report repays careful reading. Space precludes any extensive quotation from the excellent address of Mr. C. G. Drummond; but I may call attention to the second paragraph of the second column on p. 482, beginning "There is no need for modesty as to the part pharmacy has to play." That statement, put forward without any boasting, deserves to be displayed for the perusal of staffs in every British pharmacy. In thus commending the address I do not propose to commit myself to unqualified agreement with everything this well-informed speaker said. The surprising feature is that he was able, in his limited time, to express so much which every experienced pharmacist will endorse. Here I make only two suggestions. The first is

that with the increased remuneration of National Health Insurance dispensing the panel chemists must insist upon should come a higher degree of finish in style thus giving ocular demonstration of the statement that there is only one quality of dispensing in our pharmacies. My second suggestion is that, in discussing possible changes in the orientation of pharmacy the fact should not be overlooked that the work of our shops is, and for a long time likely to remain, a mixture of dispensing and counter sales. The proportions vary from shop to shop and from time to time but I think that the counter is not less important than the dispensary.

### Birmingham Enterprise

The opening of new dispensary premises in Birmingham (p. 474) records another stage in the history of a charitable institution in that progressive city. Birmingham is a shining example among the British cities that began to increase by leaps and bounds with the growth of railways in the eighteen-thirties—to say nothing of later expansion. The year 1793, when the Birmingham General Dispensary "began a small way," is of particular interest recalling the commotion occasioned in the country, and notably in its principal centre of population, by the French Revolution. In 1791 Joseph Priestley had spent eleven fruitful years in the city in the double capacity of minister of religion and promoter of scientific and literary culture: popularity was so exceptional that a meteor had been struck in his honour. This happy relation with his community was then suddenly swept away in the mob violence that broke out as an accompaniment to controversy on the issues of the Revolution. The late Mr. William Kirkby related in your issue of March 11, 1933, Priestley's household books and apparatus were wrecked in a riot; he took refuge in London, and ultimately ended his days in the United States. It is not unlikely that observations of the first scientific importance were lost in this outrage. In such troublous times was the dispensary founded. A year after its modest beginning a local newspaper published a proposal to establish a temporary institution for the treatment of various diseases by means of "factitious airs," with the expectation of striking cures. The poet Southey's correspondence suggests that one of the gases was nitrogen monoxide. **Xraysen**



## TRADE NOTES

**Discontinued Sizes.**—Parke, Davis & Co., Beak Street, London, W.1, have discontinued certain sizes of some of their specialties for the duration of the war. Details are given on another page.

**Plexan Ampoules.**—Glaxo Laboratories, Ltd., Greenford, Middlesex, point out that Plexan "crude" liver extract is presented in ampoules of 12 c.c. and in containers of six c.c. ampoules and not as stated in a trade note last week.

**Approved Prices.**—The Central Price Regulation Committee has approved the prices set out in the price list issued by H. Camp & Co., Ltd. (surgical and orthodontic supports); and the retail price of Andrews liver salt (Scott & Turner, Ltd.).

**Change of Name.**—Sashena, Ltd., Neptune Street, Hull, have changed their name to LILIA, LTD., in order to associate the company's name more closely with that of its principal product. Sashena cotton-wool sanitary towels have been re-named Lilain.

**Latcatee.**—The makers, Charles Kent (Products), Ltd., Guiseley, Leeds, announce that their Yerba maté tea, sold under the registered name of Latcatee, is completely free from genuine tannin and contains no morphyll, according to the "goldbeaters' process" test. At the moment supplies of this product are not freely available.

**Sulphanilamide for Veterinary Use.**—Burgess Wellcome & Co. announce the issue of two additional packings (100 c.c. and 500 c.c.) of Hypoloid sulphanilamide L.S.F. for veterinary use. The preparation is a stable aqueous solution containing 15 per cent. sulphanilamide; it is suitable for subcutaneous, intramuscular, intraperitoneal or intravenous injection and local application.

**Again Available.**—Pharmaceutical Specialties (May & Baker), Ltd., state that their Mazine brand hexamine salicylate compound is again available, after a shortage due to difficulty in obtaining certain raw materials. The formula has been modified and the product is presented in bottles of 100 gm. Limited supplies of Promidine jelly and cream are also available. The jelly, intended for the treatment by topical application of wound and in sepsis, contains 0.10 per cent. of promidine in a jelly base, and articles describing its use have recently appeared in the medical Press. It is available in containers of 4 oz. and 16 oz. Propamidine

cream, for the treatment of fresh burns, contains 0.10 per cent. of Propamidine in a base of the Mumford type, and is available in containers of 4 oz.

## Business Changes

\*AVA, LTD., soap manufacturers, have removed their office and factory to 9 Park Hill, Clapham, London, S.W.4.

MILTON ANTISEPTIC, LTD., secretarial and sales departments, have returned to John Milton House, London, N.7. Telephone: North 3021.

## COMPANY NEWS

HUME & Co. (CHEMISTS), LTD. (P.C.).—Capital £1,000. Chemists, druggists, etc. James H. Wootton-Davies, Norman Draycott and Ernest N. W. Hume, M.P.S., directors. R.O.: 536 Prescott Road, Old Swan, Liverpool.

B. WARDMAN & SONS (LEEDS), LTD. (P.C.).—Capital £4,000. To acquire the business of B. Wardman, 107-09 Park Lane, Leeds, 1, and to carry on business as manufacturers of and dealers in chemicals, drugs, toilet requisites, etc. B. Wardman, M.P.S., and Doris Wardman, directors. R.O. as above.

OWEN ROBERTS (CHEMISTS), LTD. (P.C.).—Capital £2,000. To acquire the business of a chemist and druggist carried on as Owen Roberts by Mrs. Myfanwy Roberts and Vernon Roberts at Menai Bridge, Anglesey. Mrs. M. Roberts and Vernon Roberts, directors. Solicitors: Owen Dawson & Co., 5 Castle Street, Liverpool.

AYRTON, SAUNDERS & Co., LTD., Liverpool.—MR. W. R. JAMIESON, F.C.I.S., has been appointed chairman of directors in succession to the late Mr. H. Nixon. Mr. Jamieson joined the firm forty-three years ago and became its secretary in 1910. In 1924 he was made a director and in the same year became a managing director. He now relinquishes the position of secretary, to which Mr. W. S. Hume has been appointed. Mr. Hume has been in the service of the company for thirty-four years. The new vice-chairman of the company is Mr. G. Dalrymple, F.C.S.

VOLUNTARY WINDING-UP.—It was resolved at a general meeting held recently, that Swedish Shampoo Laboratories, Ltd., should be voluntarily wound up. Mr. A. H. Hughes, 6 Arlington Street, St. James's, London, S.W.1, was appointed liquidator.

# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held at 17 Bloomsbury Square, London, W.C., on May 4 and 5, the president (Mr. W. S. Howells) in the chair. There were also present the vice-president (Mr. F. G. Wells), Mr. J. T. Appleton, Mr. C. Davis, Mr. W. Deacon, Sir Malcolm Delevingne, Mr. J. H. Franklin, Mr. H. M. Hirst, Mrs. J. K. Irvine, Sir Walter Langdon-Brown, Mr. J. F. McNeal, Mr. C. R. Knox Mawer, Mr. C. W. Maplethorpe, Mr. A. Meldrum, Mr. A. R. Melhuish, Mr. L. Moreton Parry, Mr. P. F. Rowsell, Mr. H. C. Shaw, Mr. H. Skinner, Mr. F. C. Wilson, Mr. J. C. Young, and the secretary (Mr. H. N. Linstead).

THE PRESIDENT reported that the treasurer was now out of hospital and, he thought, slightly improved in health.

## The Registers

THE REGISTRAR reported that fifteen persons had been registered as apprentices or students since the last meeting. The names of eleven persons, removed from the Registers before 1942, were restored. The award of Diplomas in Biochemical Analysis to seven persons was authorised.

## Honorary Member

Mr. William Henry Quarrell, for many years solicitor to the Society, was elected to honorary membership of the Society.

## Correspondence

Letters were received from: (i) Dr. A. J. Ewins, thanking the Council for their congratulations upon his election to Fellowship of the Royal Society; (ii) Mr. H. Jephcott, accepting the Council's invitation to serve as an auditor of the Society; (iii) Dr. P. Mukerji, director of the Biochemical Standardisation Laboratory, Calcutta, thanking the Council for their New Year's greetings and looking forward to renewed relations with the Society after the war; (iv) The chairman of the pharmacy commission of the National Union of Students, sending greetings to the Society on the centenary of its Charter and informing the Council of the setting up of a national organisation of pharmacy students by means of a pharmacy faculty committee of the National Union of Students (see p. 506).

It was agreed that an immediate reply should be sent expressing appreciation of

the letter from the National Union of Students, which was referred to the Education Committee for further consideration.

## Education Committee

The report of the meeting on May presented by Mr. P. F. ROWSELL, recommended that the Petrie Trust Bursary awarded to Alexander Brodie, 21 Primrosehill Drive, Aberdeen.

## Benevolent Fund

The report of the meeting on May 4 was presented by Mr. J. F. MCNEAL. It stated that five applications for assistance had been considered: grants were made in three cases, one was refused, and one was referred to the War Aid Committee. The report was adopted.

## Establishment Committee

The report of the meeting on May 3 was presented by Mr. A. R. MELHUISE. He reported that the degree of Doctor of Science of the University of London had been conferred upon Mr. T. E. Wallis and recommended that the congratulations of the Council should be conveyed to him. The report was adopted.

## Finance Committee

The report of the meeting on May presented by Mr. SHAW, was received and adopted. Resolutions were passed approving (a) the action of the secretary in making payments amounting to £2,355 13s., (b) the action of the treasurer in paying accounts amounting to £7,412 15s. 10d.

## Financial Statement

Mr. SHAW, before presenting the financial statement, called attention to the enforced absence of the treasurer, who might, he felt, be very conscious of his inability to attend that particular meeting. At Mr. Shaw's suggestion the Council decided to send the treasurer "a word of cheer." Proceeding, Mr. Shaw said: The Finance Committee present the Financial Statement for 1942 and recommend that it be adopted (see p. 499). Notwithstanding further reductions in income, the expenditure has been adjusted accordingly and they had finished with a small surplus. Owing to a further call-up of members, the retention fees received were down by £2,500 and the examination fees were down by £2,000.



## FINANCIAL STATEMENT, 1942

## SUMMARY OF INCOME AND EXPENDITURE FOR THE YEAR ENDED DECEMBER 31

GENERAL FUNDS	EXPENDITURE		INCOME		SURPLUS	DEFICIT
	1942	1941	1942	1941		
EDUCATION	£	£	£	£	£	£
College .. .. .	12272	10863	3710	3344	—	8562
Museum .. .. .	105	265	—	—	—	105
Library .. .. .	975	925	—	—	—	975
Examinations .. .. .	9868	11256	15798	17617	5930	—
Miscellaneous .. .. .	395	242	—	—	—	395
	23615	23551	19508	20961	—	4107
Less Net Benefit from Pharmaceu- tical Trust .. .. .	2636	636	—	—	—	2636
	20979	22915	19508	20961	—	1471
LAW DEPARTMENT .. .. .	11309	9724	20312	17571	9003	—
BENEVOLENCE						
Benevolent Fund—General .. .. .	5292	6334	7459	6490	2167	—
"    "    —War Aid .. .. .	825	1104	6914	12564	6089	—
Hills Orphan Fund .. .. .	—	38	214	214	214	—
Orphan Fund .. .. .	—	—	593	362	593	—
Supplementary Benevolent Fund .. .. .	—	—	5	—	5	—
Conference Entertainments Fund .. .. .	—	—	40	40	40	—
	6117	7476	15225	19670	9108	—
ORGANISATION .. .. .	1347	1588	—	—	—	1347
PUBLICATIONS						
Pharmaceutical Journal .. .. .	6824	7404	—	—	—	6824
Quarterly Journal .. .. .	956	771	700	734	—	256
British Pharmaceutical Codex .. .. .	2605	1253	4622	2449	2017	—
Extra Pharmacopœia .. .. .	4294	3685	7787	8476	3493	—
Pharmaceutical Pocket Book .. .. .	146	181	262	301	116	—
Calendar .. .. .	111	500	245	439	134	—
Register (included under Law) .. .. .	—	—	—	—	—	—
History of Pharmacy .. .. .	6	6	14	18	8	—
Centenary Book .. .. .	538	402	572	342	34	—
Sundry Publications .. .. .	563	719	884	306	321	—
	16043	14921	15086	13065	—	957
BIRTH BRITISH OFFICE .. .. .	3818	3841	—	—	—	3818
HEADQUARTERS .. .. .	23185	22938	35862	38218	12677	—
REMITTANCES .. .. .	—	—	2633	1907	2633	—
MISCELLANEOUS						
Superannuation .. .. .	2960	2748	—	—	—	2960
Pensions .. .. .	2175	2326	—	—	—	2175
Subscriptions to other Bodies .. .. .	1673	2726	—	—	—	1673
Sundries .. .. .	—	—	—	—	—	—
Interest on Loan against Mortgage, less Interest received .. .. .	3148	3225	1009	825	—	2139
	9956	11025	1009	825	—	8947
	92754	94428	109635	112217	16881	—
SPECIAL TRUST FUNDS	11489	11745	10703	13002	—	786
GRAND TOTAL .. .. .	104243	106173	120338	125219	16095	—

On the other hand, the amount received in premises fees was £2,000 higher. This was due to the fees paid in respect of shops carried on under the 1941 Act, but the extra expense incurred by the administration of the Act has more or less offset the increase.

The surplus of the General Fund account was £5,140. In 1942, however, the Society received £2,000 more benefit from the Pharmaceutical Trust than in the previous year, and, allowing that the Council ought not to live beyond its means but at the same time should give as good a service as its means will allow, it represents a small enough margin.

One feature of the accounts is a matter of particular satisfaction, and that is the generous support that has been given to the various benevolent funds (hear, hear). While it is a matter of satisfaction that the Council has adjusted its finances to war conditions, the Finance Committee are conscious of the obligations and responsibilities that lie ahead. In particular, they bear in mind that the present services are much curtailed, and that when peace returns they will have to be restored. Also, the Society's organisation is at present dispersed, and will need to be rehoused after the war in a manner to provide the most efficient working. The Society has to provide for the completion of the new headquarters in Brunswick Square, which will prove a very valuable asset. Most important of all, means must be found of furthering proposals, which the Council will no doubt formulate, for assuring the proper place of pharmacy in the health services of the country.

These matters have not been overlooked, and, as the Council know, there is a sub-committee now sitting which was appointed to survey the Society's resources and commitments. It is hoped that there will be a report of the subcommittee's findings in a few months' time—I think for the August meeting—and I feel that it would be wrong for me to anticipate what those findings will be.

MR. MCNEAL: I should like to pay tribute to Mr. Shaw for having taken over the duties of treasurer in very difficult circumstances. The Council should appreciate the very successful conclusion of the year's working, in which he has taken a great share. (Hear, hear.)

#### Organisation Committee

The report of the meeting on May 4 was presented by MR. F. C. WILSON. It con-

tained the following items: Evening Meetings, 1943-44.—The following subjects were agreed upon: (1) Harrison Memorial lecture; (2) Hanbury Medallist lecture; (3) The use of chemicals in promoting plant growth; (4) Short papers. (5) To be decided later.

Balance sheets were received from twenty-one branches and payments were authorised for the session 1943-44 in sixteen cases.

It was reported that the branch representatives' meeting would be held at the Waldorf Hotel, Aldwych, London, W.C.2. The report was adopted.

#### War Aid Committee

The report of the meeting on May 4 was presented by MR. W. DEACON. It stated that the total of the Fund was now £26,54 and that three applications for assistance had been considered; grants were made in two cases and one was deferred. Mr. Deacon expressed appreciation of the excellent work of some of the pharmaceutical committees in collecting contributions.

MRS. IRVINE read the following letter from the secretary of the National Association of Women Pharmacists, which she had been asked to present to the Council:—

"Our Association has much pleasure in forwarding to the Pharmaceutical Society War Aid Fund the sum of £100. This is our fourth donation, and includes a special contribution from our Nottingham branch which was formed last year. The Society's efforts in sending parcels and books to our prisoners of war are especially appreciated by this Association, and we hope that it may soon be possible to contact, through the Red Cross, Miss Mary Garnett, one of our members, who is a captive in Hangchow, Chekiang, China."

THE PRESIDENT: I am sure the Council will be very grateful to the National Association of Women Pharmacists for their splendid donation.

MR. DEACON: We do indeed appreciate the work of the Association, which is done quietly and consistently. What I particularly like about it is that this is the fourth donation. There is real thought in the letter which Mrs. Irvine has read.

From Mateur to Cape Bon the ground littered with thousands of tons of what was once waste paper, salvaged in this country transformed into munition cases and wrappings. A lot more will be littered on the Continent shortly, so save every scrap of waste paper for salvage so as to ensure our Forces and the Axis get all they want.



# NATIONAL PHARMACEUTICAL UNION

MEETING of the Executive of the National Pharmaceutical Union was held in London May 5.

The retiring chairman (MR. J. EVANS) thanked members of the Executive for support and assistance during his year of office, and proposed that Mr. T. Heseltine, Manton, be elected *Chairman* for the ensuing year. This was agreed with acclamation. MR. HESELTINE thanked members.

W. J. Tristram, Liverpool, was elected *vice-chairman*, and Mr. A. R. Melhuish was elected *Treasurer*.

## Liaison Committee

A report upon a meeting of the Liaison Committee of the Pharmaceutical Society and the N.P.U., held on March 23, was considered. The reorganisation and extension of the existing pharmaceutical service to meet post-war conditions had been considered at this meeting, and it had been suggested that a committee representing sections of retail pharmacy should be set up to consider the matter in all its aspects. The following resolution was received from the Council of the Pharmaceutical Society—

"That the National Pharmaceutical Union be informed that it is the opinion of the Council that the joint committee should be composed only of representatives of the Pharmaceutical Society of Great Britain and the National Pharmaceutical Union, together with representatives of Scotland."

THE SECRETARY reported that, as this is a matter of vital importance to the future of pharmacy, a joint meeting of the Council of the Pharmaceutical Society and of all members of the Executive of the N.P.U. had been arranged for May 12.

Mr. H. Noble was nominated N.P.U. representative upon the Post-war Reconstruction Committee that had been set up by the Cosmetic and Toilet Preparations Association of Great Britain. Mr. R. H. Kemp was appointed deputy representative. An invitation from the Ministry of Labour to attend a conference of employers' organisations to discuss the formation of an industrial council was accepted, and the chairman and Mr. Hearle, together with the secretary, were appointed to attend.

## Grants Funds

One outstanding claim was reported valued for £50, and two further uncompleted claims were on hand; one of these had so far involved payments amounting to £48 and the other to £74. Two further claims

had been reported but details had not been received at the time of the meeting. No subscriptions to the fund had been called for since September 29, 1942, and it was resolved that an extension of benefit should be given to subscribers without further payment from June 25 to September 29, 1943.

THE SECRETARY reported that, at a meeting of the War Distress Fund Committee held on April 16, it had been decided to continue the present maintenance allowance in seven cases, and to reduce the amount in one case. One allowance was discontinued at applicant's own request.

## National Health Insurance

The position of the existing N.H.I. dispensing service in relation to possible requirements of a proposed medical service was considered, and it was resolved that the following resolution should be sent to the Ministry of Health:—

That this Committee is convinced that, in connexion with any extension of the national health service, present National Health Insurance dispensing services through pharmacies should be continued, with any necessary adaptations.

THE SECRETARY reported that the Ministry of Health had decided to permit the prescribing of medicated (Lethane) hair oil on N.H.I. prescriptions. The question of discontinuing the ordering of mixtures under the old National Formulary title was considered, and it was resolved that the Ministry of Health should be asked to take stronger measures to eliminate prescriptions for the old N.F. preparations under short titles. The committee considered difficulties arising out of shortage of certain drugs and chemicals. THE SECRETARY reported that difficulties and confusion had been caused by doctors continuing to order boric lint by weight instead of by numbered packages, and it was resolved to ask the Ministry of Health to omit the weight from the labels used in packing boric lint, B.P.C., and to add the words: "To be supplied when  $x$  ounces are ordered." A report received from the Ministry of Health stated that it could allow chemists to dispense scripts only for the areas in which they were under contract. The Ministry would be prepared to consider any alternative suggestion that the N.P.U. might desire to submit, and it was resolved to send a further letter of protest pointing out the advantageous position held by multiple chemists.

# PROPRIETARY ARTICLES TRADE ASSOCIATION

**Additions to Protected List.**—*J. Grossmith & Son, Ltd.*, Old Cottage Lavender hair fix, No. 88C, 2s. 3d., 18s. doz., tax 18s. doz., inclusive retail price 3s. 9d. Sky High concentrated perfume, No. SH.1, 3s. 9d., 30s. doz., tax 30s. doz., i.r.p. 6s. 3d. Gardenia face powder, No. 7G, 2s., 16s. doz., tax 16s. doz., i.r.p. 3s. 4d. Freesia face powder, No. 7F, 2s., 16s. doz., tax 16s. doz., i.r.p. 3s. 4d.

*E. Griffiths Hughes, Ltd.*, Karsodrine inhaler, 1s. 4d., 12s. 3d., tax 1s. 0½d. doz., i.r.p. 1s. 6d. May be included with other lines on window display terms already published in P.A.T.A. Year Book.

**Alterations.**—*R. J. Reuter Co., Ltd.*, No. 8859/12, 4711 toilet soap, 8½d. tablet, 6s. 4½d. doz., tax 2s. 1d. doz., i.r.p. 10½d.

## Purchase Tax at 100 per cent.

The following new inclusive retail prices should be noted for P.A.T.A. items now chargeable at 100 per cent.

*Bourjois, Ltd.*, Evening in Paris products, Nos. 6330, 6298, 6270, face powder, compacte rouge, vanishing cream, 2s.; and No. 6390, lipstick, 5s.; *Bourjois' Rouge de Theatre*, No. 117, rod. Evening in Paris miniature perfume is temporarily discontinued.

*County Perfumery Co., Ltd.*, Brylcreem, 1s. 3d., 1s. 7½d., 2s. 4½d., 2s. rod. and 3s. 10½d.; *Hiltone bleach*, 5s. 9d.

*Dearborn (1923), Ltd.*, Boranium, Cleminite, Colliandum, Silmerine, and Tammalite, 4s. 4½d.; *Colliandum Solide*, refill, 2s. 7½d.; *Mennaline* and *Stymol*, 7s.; *Mercolised wax*, 3s. 4d.; *Sipolite*, 3s. 6d.; *Parsidium* and *Prolactum*, 1s. rod.; *Phelactine*, 9s. 7d.; *foundation cream*, 1s. 3d. and 2s. 1d. The following articles have been discontinued: *Jettaline*; *Mercolised wax* (large size); *Pheminol*; *Stallax* (large size); *Tekko paste*; *complexion powder* and *powder cream*.

*J. Grossmith & Son, Ltd.*, *Phul-Nana* perfume, miniature size, 2s. 1d.; ½-oz. size, 4s. 7d.; face powder, handbag size, 0312B, rod.; *Old Cottage lavender perfume*, handbag size, 2s. 1d.; 2-oz. size, 5s.; hair fix, 3s. 9d.; face powder, 3s. 4d.; talcum powder (in tins), 1s. 10½d.; (in glass), 3s. 4d.; smelling salts, 2s. 3½d.; shampoo powder, 4½d.; shaving soap in Wedgwood china bowl, 4s. 7d.; toilet soap, 3-oz. tablet, rod.; *Golden Still Cologne perfume*, handbag size, 2s. 1d.; 2-oz. size, 5s.; toilet soap, 3-oz. tablet, rod.; *Sky High concentrated perfume*, 6s. 3d.; *Gardenia face powder*, 3s. 4d.; *Freesia face powder*, 3s. 4d.; *beauty-aid talcum powder*, 1s. 8d.; *powder cream*, 1s. 0½d.; *rouge cream*, 1s. 0½d.; and *lipstick*, 2s. 6d.

*Johnson & Johnson (Gt. Britain), Ltd.*, *Johnson's baby powder*, 1s. 8½d.

*A. Rowland & Sons, Ltd.* (Agents: *County Perfumery Co., Ltd.*), *Rowlands macassar oil*, 6s. 3d. Two larger sizes withdrawn.

4711 Eau de Cologne and Beauty Aids (Depôt,

*R. J. Reuter Co., Ltd.*), 4711 genuine eau Cologne, No. 12/1, 32s. 10d.; 13/1, 24s.; 19s. 6d.; 15, 12s. 8d.; 16, 6s. 9d.; 28, 1s. 8½d.; 43, 3s. 9½d.; 927, 4s. 2½d.; Nos. 42, 951, 9 are not now available. *Tosca eau de Cologne*, No. 1204, 16s.; 1205, 9s. 3d.; 1207, 2s. 6½d.; 1256, 4s. 8d.; 2805, 10s. 2d.; 2806, 5s. 11d. Nos. 1206, 2812, 2842 are not now available. *Rhinegold eau de Cologne*, No. 1607, 2s. 6½d.; 1617, 4s. 8d.; 1605, 11s.; 1606, 6s. 4d.; 26 11s. 6d.; 2606, 6s. 9d.; Nos. 2650, 2651, 26 are not now available. *Troika eau de Cologne*, No. 2902, 42s.; 2903, 21s. 1d.; 2095, 10s. 2 2906, 5s. 11d.; 1307, 2s. 6½d.; *Famous Rh lavender*, No. 2928, 23s. 2d.; 2929, 16s.; 29 10s. 3d.; 2936, 6s.; 2937, 3s.; Nos. 2926 a 2927 are not now available. *Concentra perfume*, No. 3054 *Tosca*, 10s. 6d.; 3053 *Tos* 5s. 3d.; 3002 *Tosca*, 30s. 6d.; 3047 *Tosca*, 1 6d.; 3083 *Troika*, 15s. 6d.; 3127 *Tosca*, 3s. 6 3125 *Troika*, 3s. 6d.; Nos. 3025 and 3082 not now available. *Creams*, No. 9065 m crème, 2s. 11d.; 9066, 1s. 9d.; 9165 cold crea 2s. 11d.; 9166, 1s. 9d.; Nos. 5065, 5066, 50 5057, 5164, 5165, 5166, 5155, 5157 and 5027 not now available. *Face powders*, No. 62 2s. 2d.; 6127, 10½d. *Soap*, No. 8859/12 to soap, 10½d. *Bath Powder*, No. 6233, 6s. 1 Talcums, No. 6305 *EDC talcum powd* 2s. 2d.; 6300 *Tosca*, 2s. 2d.; *Sir*, 4885, aft shaving lotion, 5s. 1d.; 4886, 3s.; 4887, 1s. 8½d. 4763 brushless shaving-cream, 1s. 3d. N 4785, 4786, 4764 and 4765 are not now availa All orders value £1 and upwards at P.A.T wholesale prices dispatched carriage paid, pa ing free. An extra 7½ per cent. is allowed invoices value £3 net (wholesale prices); extra 10 per cent. off invoice for orders va £10 net (wholesale prices). All prices and ter subject to an additional 2½ per cent. for cash fifteenth of month following date of invo afterwards strictly net.

*Osborne, Garrett & Co., Ltd.*, *Blondirol*, 5s. 1 *Silvikrin* (Agents: *Scott & Bowne, Lt* *Silvikrin pure*, 10s. 6d.; lotion, 2s. 7½d. 6s. 1½d.

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*Boncilla Laboratories, Ltd.* (Agents: *J. Gambles & Co., Ltd.*), *Boncilla preparatio* rod., 2s. 6d., and 5s.

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ase tax are adjusted to round figures for  
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le; in one or two instances the inclusive  
price is slightly higher or lower than

*Isle Laboratories, Ltd.*, Mayfita sun-tan  
2s. 0½d. and 4s. 0½d.

*orne, Bauer & Cheeseman, Ltd.* (Agents:  
rs, Ltd.), Glymiel jelly, 1s. 1d. and 2s. 1d.  
*son's Vegetables Leaflets* (Agents: *Sangers,*  
1s. Standard wholesale price of 57s. 6d.  
ross is subject to 3½ per cent. for cash in  
days, and purchase tax is therefore calcu-  
on the net price.

*t-Tangee (London), Ltd.*, Tangee lipsticks,  
refills, 2s. 1d. and 5s. 10d.; rouge compact,  
face powder, 1s. 3d. (square double-quant-  
All other sizes withdrawn.

*ent Chemists, Ltd.*, Clarks bath salts, 2s.  
iodised foot-bath tablets (box of twelve),

*nty Perfumery Co., Ltd.* (correction).  
facturers have published 5s. 9d. as retail  
including tax, for Hilton bleach; at  
request this price will operate in place of  
d. quoted in circular.

*Rowland & Sons, Ltd.* (Agents: *County*  
*emery Co., Ltd.*) (Correction). Rowlands  
sar oil. At the request of the agents, the  
price, including purchase tax, is 6s. 3d.,  
ot 6s. 2½d. as previously quoted.

*chard & Constance (Mfg.), Ltd.*, Amami  
ations (No. 7 and special henna), 4s. 6d.  
tax 3s. doz., i.r.p. 9d.; No. 6 auburn  
ation, 9s. doz., tax 6s. doz., i.r.p. 1s. 6d.  
d at the split rate—33½ per cent. on  
oo content and 100 per cent. on applica-  
New retail prices: Amami wave set,  
2s. 1½d.; Amami brilliantines, 10½d.;  
ni manicures, 10½d.

*S. Hinds, Ltd.*, Hinds honey and almond  
a, 10½d. and 1s. 8d.

*rgan's Pomade Co., Ltd.*, Morgan's pomade,

*mpaigne Co., Ltd.* (Agents: *Prichard &*  
*ance, Ltd.*), Pompeian beauty powder and  
freshener, 1s. 8½d.; Pompeian vanishing  
old creams, 10½d.

*nes Woolley, Sons & Co., Ltd.*, Nurona  
ronze and sun-tan creams, 1s. 10d.

*right, Layman & Umney, Ltd.*, Wright's  
in powder: Supplies not available.

## New Issue of Year Book

the P.A.T.A. Protected List and Year  
Book, 1943, has now been issued. As in the  
previous year, the List shows the basic retail  
standard wholesale prices, amount of  
excise tax per dozen and inclusive retail  
price of each protected item. The List is  
effective as at December 31, 1942.

## PERSONALITIES

MR. R. W. STICKINGS, who addressed  
Southend Rotary Club on April 14 (see  
*C. & D.*, May 1, p. 455), is director of pro-  
duction, May & Baker, Ltd., Dagenham,  
and not as stated.

SIR WALTER LANGDON BROWN (a member  
of the Pharmaceutical Society's Council)  
was the writer of a letter published in the  
"Daily Telegraph" on May 10, urging the  
dangers of too much public control of the  
medical profession.

## BIRTHS

PRICE.—On May 4, Diana, the wife of  
Mr. H. Price, Ph.C. (Plymouth Technical  
College), of a son (Peter Barry Vernon).

RAINY BROWN.—At 9 Grosvenor Street,  
Edinburgh, on May 10, the wife of Nicol  
Rainy Brown, of J. F. Macfarlan & Co.,  
manufacturing chemists, Edinburgh, of a  
daughter.

## DEATHS

ADAMSON.—Recently, Mr. Charles Fred-  
eric Adamson, chemist and druggist, Beal  
Avenue, Colwyn Bay, aged fifty six.

ANDERSON.—Recently, Mr. William  
Watson Anderson, M.P.S., 18 Springfield  
Lane, Royton, Oldham, aged fifty-two.

BACKHOUSE.—Recently, Mr. Richard  
Shibbs Backhouse, M.P.S., 8 Laburnham  
Avenue, Durham. Mr. Backhouse passed  
the Minor examination of the Pharmaceu-  
tical Society in 1902.

BAKER.—On May 4, Mr. William Charles  
Baker, M.P.S., Captain, R.A.M.C. (retired),  
80 Abbotsbury Road, Newton Abbot, aged  
seventy-nine.

BRIGGS.—On May 1, Mr. Samuel Briggs,  
a director of Associated Chemists, Ltd.,  
wholesale chemists, St. Peter Street, Black-  
burn, aged fifty-five.

HALE.—Recently, Mr. Thomas Hale,  
M.P.S., 61 High Town Road, Luton, aged  
fifty-three.

LAWRIE.—Recently, Mr. James Alex-  
ander Laurie, M.P.S., 188 Acton Lane,  
London, W.4, aged sixty-five.

RITCHIE.—Recently, Mr. David French  
Ritchie, Ph.C., Blackstone Farm, Bewdley,  
Kidderminster. Mr. Ritchie passed the  
Minor examination of the Pharmaceutical  
Society in 1898 and the Major in 1901.



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CXXXIX      MAY 15, 1943      NO. 3301

*It is a fact that goods made of raw materials in short supply owing to war conditions are not advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## Medicine for the Million

SPECIAL pharmaceutical circles appear, to have acquired a facility for asking questions. It will be recalled that the Planning Committee of the Pharmaceutical Council (which is the Council acting as a Committee), during more than a year's deliberations, considered no fewer than seventeen questions. In London recently (see p. 506) the president put numerous queries to pharmaceutical students. The secretary of the Society addressed the Plymouth Branch on April 10th and, according to our report (C. & D., May 8, p. 468), also asked a number of questions. He had been warning his hearers that great changes were to be expected as a result of the Beveridge report. He pointed out that pharmacy was presented with an opportunity. Can pharmacy meet the occasion? Can we [chemists] deliver to the Ministry of Health what we are doing in million prescriptions a year, and are required to take over 120 millions? In one instance the secretary answered the questions and with an unequivocal affirmation: "I fully believe we can. . . ." In this respect the secretary seems to have expressed mature opinions than the Planning

Committee who, according to Question 17 (C. & D., April 3, p. 345), hoped in due course to report to the Council on the subject of the projected development of the medical services but had "not yet reached a sufficiently advanced stage of their considerations." The resolution passed by the Council at its meeting on April 7 (C. & D., April 17, p. 399) did not carry the matter much further.

The channels through which medicine will be supplied to the public are bound to be greatly affected by the nature of the medical scheme ultimately brought into operation and in this connexion it is important that when discussing plans for this purpose there should be no confusion in the minds of chemists when they are referring to a comprehensive medical scheme. This expression does not necessarily involve a State medical service. There can be a State medical service or a National medical service. The former involves the latter, but the latter does not necessarily involve the former. The Government has not so far given any indication of the scheme it favours. It is possible that the ultimate goal may be the State scheme, while the immediate object may be a National scheme, within the limits of reasonable possibilities. Among the medical profession and in pharmacy both projects have their supporters, but practical considerations may prove the deciding factor.

## Compensation for Chemists

Whatever alternative attractions are offered to chemists they should think long and seriously before forsaking dispensing on National Health Insurance lines; if there could be a large measure of agreement on this an exceptionally strong case on behalf of pharmacy could be put before the Minister of Health. It is likely that nearly, if not all, the population of the country will be brought within N.H.I. and chemists should demand, among other things, that they and they alone should dispense the medicine; there should be free choice of chemist on the part of the public; better prescribing by doctors; higher remuneration for dispensing; and compensation for the loss of private dispensing.

It is not necessary at the moment to recapitulate the arguments in favour of these contentions, though the last-mentioned merits some comment. In reply to a question in the House of Commons on April 22, regarding whether it was proposed to compensate doctors for capital invested in purchasing practices and premises used for professional purposes, the Minister of Health said compensation in this connexion would certainly be one of the subjects with which his proposals will deal. Without in any way implying that pharmacy is the handmaid of medicine, it is clear that "what is sauce for the goose is sauce for the gander." In spite of what may be the belief to the contrary in some quarters, a large number of chemists have excellent and remunerative private dispensing business, which if replaced by Insurance work on present terms of payment would prove

a crippling financial loss. These chemists are as much entitled to compensation as the doctors and the matter should not be overlooked when negotiations take place with the Minister of Health.

### The W.O. and Status

THE War Office, in a recent Press circular explained that "the Army Nursing Service, Q.A.I.M.N.S. and the T.A.N.S., now have commissioned rank in the women's forces. These ranks range from sister to major-in-chief, equivalent to the ranks lieutenant to brigadier. The term 'nursing officer' intended to be used only in the same circumstances as medical officer, dental officer, educational officer, or engineer officer." There, in view of this official statement, if we inquire, any sound reason why pharmacists, men and women, should not be entitled to commissioned rank with the title "pharmaceutical officer"?

## PHARMACY STUDENTS ORGANISE

A PHARMACY Faculty Commission formed part, for the first time, of the annual congress of the National Union of Students of the Universities and University Colleges of England and Wales, held recently in London. It was arranged by the Students' Union of the College of the Pharmaceutical Society (University of London), acting with the National Union of Students.

### Purpose of the Commission

The main purpose of the Commission was to consider setting up a national organisation of pharmacy students in the form of a Pharmacy Faculty Committee of the National Union of Students. Delegates attended from pharmacy colleges at Birmingham, Brighton, Blackburn, Bristol, Burnley, Cardiff (Welsh College of Pharmacy), Chelsea, Edinburgh, Leicester, Nottingham and from the College of the Pharmaceutical Society. THE CHAIRMAN (Mr. J. S. Shinner, president of the Students' Union of the College of the Pharmaceutical Society) welcomed the delegates.

The meetings lasted three days. The speaker on the first day was the president of the Society (Mr. W. S. Howells). MR. HOWELLS confined his address chiefly to pharmaceutical education, and suggested several questions for the consideration of those present. Was not a strict supervision of premises affected desirable:

hospitals were inspected, why not retail shops?—When was the best time for serving an apprenticeship? His own was after one's academic training had been completed.—Should not a part of apprenticeship be spent in a manufacturing house?—Would it not be better if Society's Intermediate were made equivalent to the University Science Intermediate?—Why was the percentage of failures in biology so high?

After animated discussion the following propositions were unanimously agreed upon. That an apprenticeship in pharmacy was necessary; that the Society had failed in its duty in not enforcing the Appendix to the Articles of Pupilage; that there should be a division of apprenticeship over different branches of pharmacy; that there should be compulsory refresher courses for apprentice-masters. It was agreed by a majority that an apprenticeship of two years ought to be a maximum; that the best time for apprenticeship was between the Intermediate and Final examinations; that the Society's Intermediate examination should be abolished in favour of the Intermediate Science examination in the appropriate subjects, of a University approved for the awarding of a degree in pharmacy (two votes only against).

The present representation of the highly qualified pharmacists on the Council



considered most inadequate, and students queried whether the Council was ever likely to do anything to remedy the present B.Pharm. position. B.Pharm. graduates should be given the M.P.S. instead of the Ph.C. qualification and thus prevent the latter from coming, as it now was, the appendage to a degree.

### Address on Post-war Reconstruction

MR. HUGH N. Linstead, M.P. (secretary of the Pharmaceutical Society), addressed the meeting sitting of the Commission on "The Post-war Reconstruction of Pharmacy." He applauded the decision to link up with the National Union of Students. There would be no sudden change between war and peace, he said, but hard times with strict control. War planning was good, but everyone must be within sight of reality. Bureaucracy acted as an antidote to big business although big business was important in that it was venture capital. As long as big business checked bureaucracy they would have conditions under which individual could lead a reasonable life.

Linstead next summarised the main points of the Beveridge report and said that in twenty years private medical practice would probably be out. The development of the health centres and clinics would be slow, and there would be a strong tendency to use existing facilities. The immediate problem was whether present facilities were adequate to deal with a foreseen doubling of the N.H.I. prescriptions. He suggested the setting up of a Pharmacy Commission to control the opening of new pharmacies and check expansion following the post-war boom due to the increase in insurance charging. They would have to fight for this, he said, three points must be borne in mind. The existing system was sufficient to supply the public with drugs. A control over location and extension of commercial expansion was needed. Finally, the main job was to raise the standard of training from inside. Mr. Linstead thought the present educational training and qualifications were, broadly speaking, adequate, but the syllabus was grossly overloaded and he advocated a two-year final course. He spoke of the benefits of apprenticeship in a good shop, although the present system was far from satisfactory, and concluded by saying that the enthusiasm of the schools must permeate the service and the old craft spirit must be brought back to ensure the reconstruction of the service.

### Points from the Discussion

In a subsequent discussion it was urged that there was a need for close collaboration between the pharmacist and pharmacist. If the pharmacist was to work in conjunction with and to advise the doctor, especially at the health centres, he would need a knowledge of pharmacology and therapeutics. It was suggested that this would be forthcoming in a really good apprenticeship. The Commission was divided as to whether it should look for training purely to the Society or become increasingly attached to the Uni-

versities. MR. Linstead said the Society was a live wire and "the whole pharmaceutical body," but pharmacy divorced from the universities would be in a poor way. The universities fostered higher research and study, and the medical schools, with which pharmacists must keep close contact, were attached to the universities. There was a need, it was thought, for representation on the Council of the student body and the academic side of pharmacy.

MR. F. W. ADAMS (deputy-secretary of the Pharmaceutical Society) said that apprenticeship was the period when the practice should be learnt under practical conditions. If this was not possible, its value was nil. The present-day shop did not provide the necessary training. There was a necessity for the pharmacist to be able to prescribe, whilst the doctor should be able to detect disease and have a general knowledge of treatment. Pharmacy was not just associated with shops, it was a service, and there was no satisfactory solution to the reconstruction of this public service without collaboration with the doctors.

### Third Meeting and Formation of Faculty

The third meeting of the Commission was addressed by Mr. H. S. Bean (Redwood Scholar) on "Pharmacy and the Student." Mr. Bean dealt at length with the path traversed by students from apprenticeship to the various qualifications, stressing the desirability of proceeding to the higher qualification (B.Pharm. or Ph.C.). The latter has in recent years proved an excellent "jumping-off ground" for occupations other than pure pharmacy, and pharmacists holding the Ph.C. and B.Pharm. qualifications were now obtaining posts formerly offered only to Bachelors of Science. This did not indicate a shortage of B.Sc.s but rather that employers were realising the wide basic scientific training possessed by the more highly qualified pharmacists.

It was afterwards unanimously resolved that a national organisation of pharmacy students should be set up in the form of a permanent Pharmacy Faculty Committee of the N.U.S. A committee was elected as follows: *Chairman*, Mr. J. E. Shinner (College of the Pharmaceutical Society); *Secretary*, Mr. C. R. Dimond (Welsh College of Pharmacy); *Messrs.* N. H. Creasey, Leicester; W. Hennigan, Edinburgh; and A. E. Meadowcroft, Brighton. THE CHAIRMAN declared that the work of Mr. G. Tasker, who had conceived the idea of the Faculty, should be placed on record. The part played by the Brighton College also deserved mention. The Commission concluded by unanimously declaring its immediate policy as being to further pharmacy as a scientific subject and to secure adequate recognition; to co-ordinate the services of pharmacy with medicine and the social sciences in securing an adequate health service as envisaged by the Beveridge Report; and to co-ordinate the various branches of pharmacy and pharmaceutical study. During their stay in London the delegates of the Commission paid a visit to the factory of Glaxo Laboratories, Ltd., Greenford.

# HORTICULTURE FOR THE RETAIL CHEMIST

by Aphra P. Wilson, M.B.E., A.R.C.S.

(Lenton House Experimental Grounds, Nottingham)

## X.—Insect Pests—(Sucking)

PESTS belonging to this group feed by sucking the sap from the plant tissues. The mouth of a sucking insect is prolonged into a pointed hollow beak and the two teeth are drawn out into fine sharp flexible needle-like stylets which work up and down inside the beak. The insect punctures the epidermis with the beak and then pushes the stylets into the plant cells, liberating the sap which is sucked up the beak and swallowed. In the larger sucking insects the beak is readily visible on the underside of the head; when not in use it is carried horizontally to the body tucked between the legs (Fig. 1). The number of carnivorous sucking insects is so small that for all practical purposes they can be disregarded.

The details of the sucking mouth parts vary but the damage caused by all sucking pests has one general diagnostic character. The part of the plant attacked becomes deformed or disfigured but it is always left intact. The type of deformity or disfigure-

white spotting which often gives a silvery effect (Fig. 2, E). Blackcurrant gall mite (Big bud) causes the buds to become

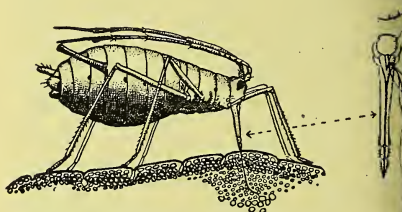


Fig. 1. Aphid, showing sucking beak. (From Ministry of Agriculture and Fisheries Advisory Bulletin No. 97, by permission of H.M. Stationery Office)

swollen and bloated. Fig. 2, F, shows healthy shoot (1) and damaged shoot (2).

All pests which produce sticky honeydew (i.e. many aphids) or protect themselves by various coloured waxy, frothy or filamentous secretions such as white fly (Fig. 3,



Fig. 2. Damage caused by Sucking Pests. A. Plum Leaf Curling Aphid. B. Rosy Aphid on Pear shoot. C. Apple Capsid Bug damage on shoot. D. Apple Capsid Bug damage on fruit. E. Thrips damage on Peas. F. Big Bud Gall Mite damage on Blackcurrant. (Copyright F. C. Brown)

ment varies with the pest. Rolling up of leaves is caused by several species of aphids (Fig. 2, A and B). Fruit capsid bugs are responsible for spotting and distortion of leaves and fruit (Fig. 2, C and D), while attacks of thrips are characterised by tiny

mealy bug (B), cuckoo spit (C), white aphid (D), brown scale (E) and blue bug (F) belong to the sucking group.

With the exception of the capsid bug sucking pests are gregarious in habit. All have the three-stage life cycle du-



ch the nymph in its gradual growth to maturity sheds its skin about five times. The empty skins, perfect in every detail, are found adhering to the plant by the beak. It is usual to find eggs, nymphs, empty nymph

pests and the stages in their life cycles which do the damage are given in the table in the previous column.

Eelworms and gall mites are microscopic in size and live within the tissues of the



Fig. 3. Protective coverings found among Sucking Pests. A. Waxy covering on White Fly (left adult, right male stage). B. White waxy meal on Mealy Bug. C. Frothy covering on nymph of Cuckoo Spit Insect (hopper). D. White waxy wool on Woolly Aphis (American Blight). E. Hard waxy covering on Brown Scale of Peach. F. Bluish waxy meal on Mealy Cabbage Aphid (Blue Bug).

B, C, D and F, Copyright F. C. Brown. E, from Advisory Leaflet No. 88, issued by the Ministry of Agriculture and Fisheries, by permission of H.M. Stationery Office.)

and adults all together on the infested parts of the plant. Rolling, deformation and mottling of foliage can also be caused by virus diseases, and in cases of uncertainty the presence of the various stages of the pest and/or the empty nymph skins is of considerable diagnostic value. Foliage damaged by virus diseases is always devoid of insect colonisation. The chief sucking

plant. The former attack foliage, stems and roots, but the latter are found in the aerial parts of plants only.

Sucking pests suck the sap from within the plant tissue. It is not possible to poison their food without poisoning the sap of the plant. They are therefore combated with contact poisons. These are applied in the form of sprays or dusts to the foliage and as a fumigant to the soil and in a greenhouse. When using contact poisons as sprays or dusts on the foliage it should be remembered that such poisons kill by direct action through the skin and/or by suffocation by blocking up of the breathing pores or spiracles, which in insects are arranged in pairs per segment on either side of the body. It therefore follows that:—

1. Contact poisons must be applied to the pests themselves wherever they are feeding.

2. Contact sprays are of little use for preventive treatment but the dusts appear to have a certain amount of deterrent effect simply because of their dustiness.

3. Repeat applications are absolutely essential and must be timed to coincide with each fresh appearance of the pest.

Pest	Stage damaging crops
<b>True Insects:</b>	
Scale Insects	Nymph and adult
Hoppers	" " "
White Fly	" " "
	" (scale " "
	stage)
Mealy Bug	" " "
Woolly Aphis	" " "
Woolly Aphis	" " "
Cuckoo Spit	" " "
<b>Scale Insects:</b>	
Scale Insects	Young and adult
Spider Mites	" " "
Spider Mites	" " "

## SPRING AND SUMMER FOLIAGE SPRAYS

Class of treatment	Chemicals employed	Remarks
Contact poisons	Nicotine spray or dust	Best contact poison known but must be used in reasonably high temperatures to give best results. <i>Rate:</i> Spray, $\frac{1}{2}$ -1 fl. oz. nicotine 95-98 per cent. pure, per 10 gall. water plus an efficient wetting agent. Dust, about 4 oz. per 16 sq. yds.
	Derris as wet spray	Non-poisonous to man and domestic animals. Poisonous to fish. Very suitable for use in garden. Actively insecticidal at all usual garden temperatures. <i>Rate:</i> 3-4 oz. powder per 10 gall. water plus an efficient wetting agent.
	Pyrethrum dust Spray in oil base Spray in water base	Non-poisonous to man and domestic animals. Dust used chiefly on mushroom beds. Pyrethrum in oil base unsurpassed against pests with a waxy protective covering such as blue bug on brassicas and woolly aphis on apple trees. Not all plants will tolerate sprays. All proprietary brands carry makers' instructions.
	Sulphur sprays Lime sulphur Liver of sulphur Colloidal sulphur	Lime sulphur used at 2 per cent. specific against big bud mite, blackcurrants and nut and blister mite of pear. Lime sulphur 1/40-1/100 and liver of sulphur at 5 oz. per 15 gall. water colloidal sulphur as per makers' instructions, used against spider mite on fruit trees. Liver of sulphur and colloidal sulphur against red spider mite on glasshouse crops.
Smother spray	Summer white oils	Used against red spider mite on fruit trees, tomatoes and cucumbers. Used alone or with nicotine against mealy bug and scale insects on peaches, etc., in the greenhouse. All proprietary brands carry makers' instructions.

On fruit trees the eggs of certain sucking pests can be killed by winter washes applied during the dormant state of the tree. In addition these washes kill large numbers of the eggs of various moths, the caterpillars

of which devour the foliage, particularly apple and plum. Further they have a certain amount of sterilising action on overwintering pustules of the brown blossom wilt and canker fungi. No winter

## WINTER SPRAYS FOR DORMANT FRUIT TREES

Class of treatment	Chemicals employed	Remarks
Egg-killing washes	Tar distillate Winter wash	Used on fruit trees during complete dormancy (December-February) to kill eggs of aphids, apple sucker and winter moth. This wash will also destroy various overwintering pests in adult and larval stages and clean bark of lichen, algae, etc. All proprietary brands carry makers' instructions.
	Tar petroleum	Mixtures of tar distillate winter wash and petroleum oil. Used in late dormant stage on fruit trees to kill eggs of capsid bug and red spider in addition to pests and uses mentioned for tar wash. All proprietary brands carry makers' instructions.
	Di-nitro-ortho cresol N.D.N. or D.N.O.C.	Most recently introduced winter spray. Bright yellow emulsion. Used in late dormant stage up to early March on fruit trees. Claimed to be more effective than tar petroleum for same purpose and to have a greater margin of safety. All proprietary brands carry makers' instructions.
	Petroleum oil	Used on fruit trees at bud burst stage to kill capsid bug and spider.



sh, however, has any effect on the fruit  
nelling caterpillars of the codling moth,  
ple and plum sawflies, as these pests hiber-  
te in the pupa stage safely hidden in the

tural or Horticultural Organiser, whose  
offices are usually in the county town.  
Illustrated leaflets on most of the pests of  
farm and garden crops issued by the

GREENHOUSE FUMIGANTS AND SOIL DISINFECTANTS

Class of treatment	Chemicals employed	Remarks
Greenhouse fumigant	Nicotine	Used chiefly against aphids. (a) Nicotine, 95-98 per cent. pure, and methylated spirit, $\frac{1}{8}$ fl. oz. of each per 1,000 cu. ft. of space. Vaporise on lamp. (b) Nicotine shreds. All proprietary brands carry makers' instructions.
	Tetrachlorethane	Specific against white fly on tomatoes. Most suitable for amateurs' greenhouses. Rate: $2\frac{1}{2}$ fl. oz. per 1,000 cu. ft. of space poured along the paths of the house in the evening. Temperature should be maintained between 70° and 80° F. all night. Soil should be moist but foliage dry. Fumigation should be repeated in 7 days. Tetrachlorethane is safe only on a limited range of plants other than tomatoes. It should never be used on any member of the chrysanthemum family.
	Hydrocyanic acid gas	As a source of HCN gas, calcium cyanide has now practically replaced sodium or potassium cyanide and sulphuric acid. Effective against a wide range of pests, namely white fly, aphids and mealy bug. Rate: $\frac{1}{8}$ - $\frac{1}{4}$ oz. calcium cyanide per 1,000 cu. ft. of space. Fumigation should be done at night. Keep temperature up. Soil and foliage must be dry.
	Naphthalene special grade	Specific against red spider and thrips on cucumber and carnations. Rate: 4-6 oz. per 1,000 cu. ft. of space.
Soil fumigants and disinfectants	Carbon disulphide	Used against root aphids, root mealy bug and eelworms in greenhouse soils. (a) Injected into soil. (b) Applied as an emulsion. Emulsified with an equal quantity of sulphonated castor oil diluted 1/100-1/60 with water and applied at the rate of 3 gall. per sq. yd.
	Cresylic acid and preparations containing phenols	Used against eelworm and general pests in greenhouse soils. Pale straw-coloured cresylic acid, 97-99 per cent. pure, diluted 1 in 40 parts of water. Rate: 4 gall. per square yard and washed well in with water. Phenol preparations carry makers' instructions.

1. Misapprehension on this point is widespread and leads to much disappointment. In dealing with sucking pests on roots, fumigation and sometimes soil sterilisation is to be resorted to. Except in greenhouses these treatments are usually too costly, and rotation of crops has to be resorted upon to starve out the pest. In greenhouses a fumigant is often used instead of sprays and dusts. The tables giving the lists of chemicals commonly used against biting and sucking pests respectively should only be taken as a guide. It is not possible in the space available to give more than a general outline and to mention a few specific treatments. In cases of uncertainty both as regards the identity of the pest or treatment, advice should be sought from the County Agricul-

Ministry of Agriculture and Fisheries, Hotel Lindum, St. Annes-on-Sea, Lancs, and published by H.M. Stationery Office, are obtainable from either source or from any bookseller. These advisory leaflets, which give the life cycle of the pest, particulars of damage caused and details of the recommended treatments, are invaluable as a reference. The information they contain regarding treatments, however, should be regarded as complementary to that given by the County Agricultural or Horticultural Organiser concerned, as he has the intimate knowledge of local conditions so indispensable to the choice of the treatment most likely to be successful in any particular case. (The series of special articles "Horticulture for the Retail Chemist" will be concluded with the next article.)

## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

### 28 Essex Street, W.C.2, May 12

IN practically all sections of the London drug and chemical markets business has been mostly for small quantities, and as regards price alterations the week has been uninteresting. Several articles remain in meagre supply, with little hope of replenishment for some time to come. Little of outstanding interest has occurred in PHARMACEUTICAL CHEMICALS and no price changes have been notified by makers or dealers. Maximum prices of red, green and white seal brands of ZINC OXIDE have been increased under the Control of Non-ferrous Metals (No. 12) (Copper, Lead and Zinc) Order, 1943 (S. R. & O., 1943, No. 662), made by the Minister of Supply. The present maximum prices have been in force since December 1939, but an increase is now necessary to cover the higher costs of production and delivery. All inquiries should be addressed to the Non-ferrous Metals Control, Grand Hotel, Rugby.

### Crude Drugs

Reports to hand from this section indicate another quiet week of business with practically all prices firmly maintained. A fair business is reported done in CAPE ALOES at prices higher than that ruling of late; new offers for shipment are awaited, but do not appear to be forthcoming. BALSAMS are in short supply, but prices are without quotable change in the week. Prices of BENZOIN are showing a tendency to advance as a result of diminishing stocks and the absence of replenishments. Although spot supplies of BUCHU have been cleared, new allocations are reported afloat. ERGOT is unchanged, with very little sound material on offer. Supplies of GUM ACACIA remain short with values firmly maintained. IPECACUANHA is not plentiful and firm conditions obtain for spot goods. MENTHOL is substantially dearer. NUX VOMICA is slow of sale at last-quoted prices. PIMENTO is a shade dearer on the week. Rather better inquiry has been received for RHUBARB, supplies of which are fairly plentiful. Quiet conditions are ruling on the SEEDS market, and prices have again settled down. Rather more interest is being taken in some of the SPICES and prices are tending to be less easy, probably

as a result of diminishing stocks and the difficulty of obtaining replenishments under present conditions. TRAGACANTH is fairly active but no price changes have occurred. TURMERIC is inclined to be easier on spot.

### Essential Oils

Business in this section is moving along quite steadily, with prices all maintained at about former levels. It is anticipated that the scheme for regulating importation and distribution of essential oils will soon be brought into operation. Details, however, will not be available until the scheme is officially announced. ANISE (STAR) is a good request, but spot supplies are not easy to find. Spot supplies of CAJUPUT appear to have been cleared. CITRONELLA remains in demand, but supplies are short. English distillers' prices for CLOVE are unchanged. Small supplies of GINGERGRASS may be had on spot. As noted last week controlled prices for bulk supplies of CASTOR, LINSEED and RAPESEED have been advanced.

### Pharmaceutical Chemicals

ALLOBARBITONE.—Makers' price remains approximately 64s. per lb.

AMPHETAMINE.—Makers' quotation is steady at about 160s. per lb.

ASPIRIN.—Makers quote the following rates per lb. in quantities of 1 cwt. (containers brackets): 3s. 5d. (1-lb.); 3s. 4d. (2-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-lb.); 3s. 1½d. (28-lb.). TABLETS.—Makers' prices are steady, as follows: Under 5,000, 3s. 5d.; 5,000, 3s. 3d.; 10,000, 3s. 2d.; 25,000, 3s. 50,000, 2s. 11d.; 100,000, 2s. 10d.; 250,000, 2s. 9½d.; 500,000, 2s. 9d.; 1,000,000, 2s. 8d.; 2,000,000, 2s. 7d. per 1,000.

BISMUTH SALTS.—Makers' current prices per lb. for the two leading salts are as follows: CARBONATE.—Under 4 lb., 11s. 8d., 4 lb.-8 lb., 11s. 2d.; 8 lb.-28 lb., 10s. 5d.; 28 lb.-1 cwt., 9s.; not less than 1-cwt., 8s. 9d. SUBNITRATE.—Under 4 lb., 10s. 3d.; 4 lb.-8 lb., 9s. 9d.; 8 lb.-28 lb., 9s.; 28 lb.-1 cwt., 7s. 10d.; not less than 1 cwt., 7s. 7d.

BORAX.—Makers' prices per ton are as follows: Granulated, B.P., £39 10s.; crystals, £40 10s.; powder, £41 10s. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial qualities, £8 per ton less.

BRUCINE.—Makers' current rates per oz. are as follows: ALKALOID, under 25 oz., 1s. 4½d.



oz.-100 oz., 1s. 4d.; 100 oz.-500 oz., 1s. 3½d.;  
 TRATE and SULPHATE, under 25 oz., 1s. 3½d.;  
 oz.-100 oz., 1s. 3d.; 100 oz.-500 oz., 1s. 2½d.

CITRIC ACID.—No change in controlled prices.  
 For details, see *C. & D.*, October 24, 1942, p. 433.

COCAINE.—British makers' current wholesale  
 prices are as follows: HYDROCHLORIDE and  
 TRATE, 25 oz. and over, 35s. 8d.; 16 oz. and  
 less than 25 oz., 36s. 10d.; over 8 oz. and less  
 than 16 oz., 38s. per oz. ALKALOID, CITRATE  
 and SALICYLATE, 25 oz. and over, 39s. 10d.;  
 16 oz. and less than 25 oz., 40s. 4d.; over 8 oz.  
 and less than 16 oz., 41s. 7d. per oz., 16-oz.  
 packages free, smaller packing extra. The scale  
 of prices applicable to distributors of smaller  
 quantities is as follows: HYDROCHLORIDE and  
 TRATE, 8 oz., 40s.; 4 oz. and less than 7 oz.,  
 41s. 7d.; 2 oz. and less than 4 oz., 41s. 6d.;  
 1 oz. and less than 2 oz., 42s. 7d.; ½ oz. and  
 less than 1 oz., 44s. 2d.; ¼ oz. and less than  
 ½ oz., 47s. 3d. per oz. ALKALOID, CITRATE and  
 SALICYLATE, 8 oz., 43s. 5d.; 4 oz., and less than  
 8 oz., 44s.; 2 oz. and less than 4 oz., 44s. 11d.;  
 1 oz. and less than 2 oz., 46s. 2d.; ½ oz. and less  
 than 1 oz., 47s. 9d.; ¼ oz. and less than ½ oz.,  
 49s. 10d. per oz., packages extra. Re-sale:  
 prices are subject to buyer's undertaking not to  
 sell any quantity below current scale. Export  
 prices vary according to destination.

CODEINE.—Quoted by makers in 4-oz. lots as  
 follows: ALKALOID, 38s. 3d. per oz.; PHOS-  
 PHATE, 31s. 3d.

HEXAMINE.—Price of one-cwt. lots of free-  
 running crystals would be in the region of 2s. 3d.  
 per lb.; fine crystals, a few pence less.

HOMATROPINE.—Makers' prices per oz. are  
 as follows (prices per gram in brackets):  
 ALKALOID, 97s. 6d.; 4 oz., 92s. 6d.; 16 oz.,  
 85s. 6d. (9s.); HYDROCHLORIDE, HYDRO-  
 COMIDE and SULPHATE, 75s.; 4 oz., 70s.;  
 16 oz., 65s. (3s. 2d.).

MAGNESIUM TRISILICATE.—Home market  
 prices for quantities of 28 lb.-1 cwt. are as fol-  
 lows (containers in brackets): 3s. 6½d. (1-lb.);  
 3s. 5d. (4-lb.); 3s. 4d. (7-lb.); 3s. 3½d. (14-lb.);  
 3s. 3d. (28-lb.).

MANDELIC ACID.—Prices for MANDELATES  
 are as follows: SODIUM and CALCIUM—4 oz.,  
 1 lb. and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.;  
 1 lb., 18s. 6d.; 14 lb. (in 7-lb. packages),  
 15s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb.,  
 10% solution (50 per cent. solution)—4 oz.,  
 1 lb. and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.;  
 1 lb., 9s. 10d.; 14 lb. (in 7-lb. packages),  
 11s. 11d.; 28 lb. (in 7-lb. packages), 7s. 11d.  
 per lb. net. Packages extra and returnable.

MERCURY IODIDES.—Makers' prices per lb.  
 are as follows: RED, less than 7 lb., 20s. 8d.;  
 7 lb. and over, 21s. 2d.; not less than 14 lb.,  
 21s. 8d. GREEN, less than 7 lb., 28s. 8d.; not  
 less than 7 lb., 26s. 2d.; not less than 14 lb.,  
 26s. 8d. YELLOW, less than 7 lb., 28s. 10d.; not  
 less than 7 lb., 27s. 7d.; not less than 14 lb.,  
 28s. 10d. net, carriage paid.

METHYL SALICYLATE.—Makers' prices are as  
 follows: Five cwt., 1s. 11d. per lb.; one cwt.,  
 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PILOCARPINE.—Makers quote at the following  
 rates per oz.: Base, 1 oz., 27s.; 4 oz., 26s. 6d.;  
 25 oz., 26s.; hydrochloride, 1 oz., 21s. 3d.;  
 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; nitrate, 1 oz.,  
 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

TANNIC ACID.—Current price would be in the  
 region of 8s. to 8s. 3d. per lb., according to quan-  
 tity.

ZINC OXIDE.—The Minister of Supply has made  
 the Control of Non-ferrous Metals (No. 12)  
 (Copper, Lead and Zinc) Order, 1943 (S. R. &  
 O., 1943, No. 662), which came into force on  
 May 6. The Order increases the maximum prices  
 of the Red, Green and White Seal brands of zinc  
 oxide by £3 2s. 6d. per ton in each case, bringing  
 them to the following: Red Seal, £31 10s. per  
 ton; Green Seal, £33 per ton; and White Seal,  
 £34 per ton, for delivery in lots of not less than  
 two tons.

## Crude Drugs

AGAR.—Spot price of Kobe No. 1 for bacteri-  
 ological use remains at 65s. to 70s. per lb., to  
 approved buyers.

ALOE.—Good inquiry from manufacturers  
 for the Cape variety, with fair business done;  
 72s. 6d. per cwt. is now being asked for spot  
 supplies; new offers for shipment from the  
 Cape are awaited. Curaçao, spot, offers at 475s.  
 per cwt.

ANTIMONY.—Position remains unaltered, sup-  
 plies being reserved for essential requirements.  
 Prices are as follows: English minimum 99  
 per cent. regulus, £120 per ton, delivered;  
 70 per cent. crude, for the home trade, £100  
 per ton, delivered.

BALSAMS.—*Tolu*, considerably dearer at  
 11s. 6d. per lb. *Canada*, 10s. per lb., if avail-  
 able on spot. *Peru*, steady on spot at 8s. 6d.  
 per lb. *Copaiba*, unobtainable.

BELLADONNA.—No quotable changes in  
 prices. Indian leaf, spot, 4s. 9d. to 5s. per lb.,  
 according to test. Indian root, spot, 435s. to  
 475s. per cwt., according to test.

BENZON.—Demand moderate; values firm.  
 Fair seconds, doubtful if any available on spot  
 at under £22 10s. per cwt.; better qualities  
 would fetch up to £27 10s., according to grade.  
 Free "almonds," £32 per cwt., ex store.

BISMUTH METAL.—High-grade metal is un-  
 changed at 6s. 3d. per lb. for minimum 5-cwt.  
 lots.

BUCHU.—Some new allocations are reported  
 afloat; nothing available on spot.

CAMPOR.—Usual small routine demand;  
 prices to approved buyers unchanged; Chinese,  
 B.P., spot, 11s. 6d. per lb.; crude, 92 per cent.,  
 10s.; Japanese slabs, 12s.

CARDAMOMS.—Not much business about, but  
 values are keeping steady. Aleppy seed, spot,  
 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy  
 greens, spot, 5s. 6d.; shipment, 5s. 9d.; split  
 seed, spot, 5s. 3d. to 5s. 6d. per lb.

CHILLIES.—Mombasa may be had on spot at  
 100s. per cwt.; Zanzibar are not offered.

**CLOVES.**—Zanzibar steady on spot at 1s. 6½d. per lb.; second grade, to arrive, 1s. per lb., c.i.f.

**COCOA BUTTER.**—Except when sold under licence, the maximum price authorised by Ministry of Food Order is 1s. 5½d. per lb., ex factory or warehouse.

**COCONUT (DESICCATED).**—Ministry of Food Order fixes maximum selling price at 49s. per cwt.

**DIGITALIS LEAVES.**—Portuguese leaves, spot, 135s. per cwt., ex store; English-grown leaves, 2s. 5d. to 2s. 6d. per lb.

**DRAGON'S BLOOD.**—Dull Zanzibar drop may be obtained on spot at £21 per cwt.; no other varieties are available.

**ELEMI.**—Spot quotations for No. 1 gum are steady at 300s. per cwt.

**ERGOT.**—Inquiry again moderate, with little sound material on offer. Wormy, spot, 4s. 6d. to 5s. per lb., according to condition.

**GALANGAL ROOT.**—Quoted at 95s. per cwt., in bond Liverpool.

**GUM ACACIA.**—Supplies are short; values firm Kordofan cleaned sorts, spot, 105s. per cwt.; afloat, 87s. 6d., landed terms. Bleached, afloat, 140s. per cwt., c.i.f.

**HENBANE.**—Low-testing East Indian leaf may be had on spot at 200s. per cwt.

**IPECACUANHA.**—In some request, with prices firm and supplies not too plentiful. Matto Grosso, spot, 21s. 6d. per lb. Some B.P. Minas may be had on spot at 18s. 6d. per lb.; under B.P., 17s. per lb., according to test. Current prices of EXT. IPECAC. LIQ. are as follows: Winchester, B.P., 1932, under three, 30s. 6d. per lb.; three and under six, 30s.; six and under twelve, 29s. 6d.; twelve and over, 29s. B.P., 1914, under three, 28s. 6d.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 27s. per lb.; all prices quoted are on a net basis.

**JABORANDI.**—Small quantities may be had on spot at 60s. per cwt.

**JALAP.**—Brazilian root testing 13 per cent. is offered on spot at 95s. per cwt.

**KAMALA.**—Material testing 5 per cent. ash would fetch 1s. 9d. per lb. on spot.

**MENTHOL.**—Demand good but supplies of Chinese and Japanese limited; 80s. to 81s. per lb. has been paid on spot.

**MERCURY.**—Controlled values unchanged: £68 10s. to £69 15s. per bottle for quantities of over 7 lb.

**MYRRH.**—In quiet demand at unchanged prices. Aden sorts, spot, £18 to £20 per cwt., according to quality.

**NUTMEGS.**—West Indian, wormy and broken, offered on spot at 1s. 7d. per lb.; sound unassorted, 1s. 10d.

**NUX VOMICA.**—Business has remained slow; quotations unchanged. Cochín, washed and garbled, spot, 42s. 6d. per cwt., ex warehouse Glasgow; Cocanada, spot, 37s. 6d. per cwt., also ex warehouse Glasgow.

**ORANGE PEEL.**—Bitter quarters can be bought on spot at 3s. 3d. per lb.

**PAPAIN.**—Spot, 17s. 6d. per lb., nominal.

**PEPPERS.**—Maximum prices of whole, not picked over or cleaned, on sale to processors are 1s. 4d. per lb. for white, and 1s. per lb. for black, both duty-paid.

**PIMENTO.**—A fraction dearer on spot at 1s. 9½d. per lb.; shipment price is not quoted.

**PSYLLIUM SEED.**—Indian seed may be had on spot at 1s. 3d. per lb., ex store.

**QUILLAIA BARK.**—Crushed or cut, spot, 110s. per cwt.; natural, new shipments expected shortly.

**RHUBARB.**—In rather better inquiry. Rough round may be had on spot at from 7s. 6d. to 7s. 9d. per lb., with some flat high-dried rough-coat, at 8s. A few odd Shensi pickings are offered at 10s. per lb.

**SAPONIN.**—Spot price remains at 7s. 6d. per lb., ex store; shipment, 6s. 6d., c.i.f.

**SEEDS.**—Quiet conditions obtain, with price changes to record. CORIANDER.—Indian offered at 95s. per cwt., sellers. CUMIN. Maltese, spot, 125s.; Indian, 115s.; English, 150s. DILL.—Quoted at 180s. FENNEL. Nominal at 95s. FENUGREEK.—May be had at 90s. MUSTARD.—Controlled prices are unchanged (C. & D., November 28, 1942, p. 56).

**SENNA.**—Moderate business passing at unchanged prices. Tinnevely No. 1, 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d. Alexandrian broken, 1s. 3d. to 1s. 4d. Good hand-picked Tinnevely pods, 11d. to 1s. 2d. ordinary grade, 10d. to 11d.; manufacturing 6d. to 7½d. Hand-picked Alexandrian pods, 3s. 6d. to 6s., according to quality.

**SQUILL.**—Portuguese bulbs are offered on spot at 95s. per cwt., and Indian at 75s.

**STRAMONIUM LEAVES.**—Indian leaves may be had on spot at 105s. per cwt.

**STROPHANTHUS.**—Very little business passing. Kombé 100 per cent. seed is offered on spot at 10s. 6d. per lb. for small supplies, but larger orders would be accepted at a lower rate.

**TRAGACANTH.**—Quite an active market, but prices are unchanged. Current rates for principal medium grades are as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £102; No. 4, white, £83; pale leaf, £65; amber leaf, £65; dark amber, £50; brown leaf, £45; red-and-brown leaf, £38; red leaf, from £32; light hoggy, from £17; woody and dark hoggy, £12.

**TURMERIC.**—Little demand and prices inclined to be easier. Madras finger, sound quality, spot, 60s. per cwt.; wormy, 57s. 6d.

**VALERIAN ROOT.**—Indian root continues to be offered on spot at 105s. per cwt., ex store.

**WAXES.**—Firm conditions obtain, but prices are unchanged. CARNAUBA.—Fatty grey and chalky grey, spot, both quoted at 430s. per cwt.; Primeira, 520s., nominal. BEESWAX. Supplied only through the Association of Merchant Distributors of Beeswax.



## Essential and Expressed Oils

**NISE (STAR).**—Spot supplies of genuine oil difficult to find; price, if available, would be at 54s. per lb., in drums, ex store.

**IS DE ROSE.**—Spot price continues in the region of 47s. per lb.

**JUPUT.**—Spot supplies appear to have been reduced.

**STOR.**—As noted last week, controlled prices for bulk supplies have been advanced; prices are as follows: "Firsts," increased 20 per ton to £92; "seconds," increased by 10 per ton to £90, both naked ex works.

**DARWOOD.**—Spot price of English oil is at 16s. per lb.; imported, if available, would be about 8s. to 9s. per lb.

**NNAMON LEAF.**—Small spot supplies are being dealt at around 15s. to 16s. per lb.

**TRONELLA.**—Demand remains good, but supplies are restricted. Java, spot, 22s. to 24s. per lb., Ceylon, 19s. to 20s.

**OVE.**—No change in English distillers' prices of about 14s. per lb. for moderate supplies.

**CONUT.**—Controlled prices of bulk supplies are as follows: Crude, £36 12s. 6d. per ton; refined deodorised, £40; refined hardened deodorised, £44; all naked ex works.

**TONSEED.**—Controlled price of refined deodorised remains at £49 per ton, naked ex works.

**CALYPTUS.**—In good request but supplies are limited. Spot, 70 to 75 per cent., about 5s. 1. to 5s. 9d. per lb.

**NGRASS.**—Small supplies may be had on spot at around 22s. 6d. per lb.

**OUNDNUT.**—Controlled prices for bulk supplies are unchanged at from £48 to £54 per ton, naked ex works, according to grade.

**VENDER.**—Spot price of any available supplies of good-quality oil would be in the region of 90s. per lb.

**ONGRASS.**—Quoted at from 15s. to 16s. per lb., on spot.

**SEED.**—As noted last week, controlled prices for bulk supplies of crude, naked ex works, has been advanced to £50 per ton. Distributors' prices for ordinary quantities would be at higher rates.

**LMAROSA.**—In limited compass on spot at between 32s. 6d. and 35s. per lb.

**NNYROYAL.**—About 40s. per lb. would represent the current spot value, if available.

**PPERMINT.**—Spot price of small lots of Chinese and Japanese would be in the region of 100s. per lb.

**PESEED.**—As noted last week, controlled prices have been advanced to £58 per ton, naked ex works.

**SEMARY.**—Spot price of any available supplies would be in the region of 16s. per lb.

**EARMINT.**—Spot, if available, approximately 40s. per lb.

## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

### Women's Place in Pharmaceutical Affairs

SIR,—“Members' Night” of the National Association of Women Pharmacists (*C. & D.*, May 1, p. 452) is heartening to read. The absence of political tang, apathy and indecision, coupled with their survey of present and post-war conditions, revealed by the discussion, displays talent that ought to be used to the fullest extent. Pharmacy is impoverished by the small representation of women pharmacists on the Council and serving on local association committees. Can pharmacy today afford for women pharmacists still to be the “handmaids”? It is up to the ladies “to get cracking,” and put up candidates either for “co-option” or ballot, so as to take their rightful place. Pharmacy can then speak with one voice, and produce a co-ordinated policy whilst there is still time.

Yours faithfully,

East Barnet.

G. H. ARMITAGE.

### Linking Chemists with Health Publicity

SIR,—I agree with Xrayser (p. 419) in reference to some of the Government advertisements being ludicrous, but I certainly do not agree with his criticism of my letter (p. 414). If national advertising by the N.P.U. at heavy cost would be good backed up by retailers, advertising by the Government at no direct cost to pharmacists would also be good if backed up by retailers. I see no loss of dignity in running other people's errands (if you like to call it that). I displayed one or two of the posters and sold forty-seven of the booklets in a month, and my point was, and is, that if all retail chemists did this the result would be beneficial to all concerned. If there is any virtue in advertising, surely a little help from the people who sell medicines is the right thing to do, and I can see no loss of face in so doing. Nationally and internationally we are fighting for a better spirit in the world and the same should apply to national and domestic affairs if we are to be logical.

Yours faithfully,

London, S.E.10.

J. MILNER.

## ALPHABETICAL

**PRICE LIST**OF MEDICINAL PROPRIETARIES SOLD  
AT THE CHEMIST'S COUNTER

Item	Trade price per doz.	Purchase tax per doz.	Inclusive retail price each
	s. d.	s. d.	s. d.
Collozin .. ..	19 0	3 0	2 6
Coluval .. ..	18 0	3 0	2 3
Complaxa .. ..	11 3	1 10½	1 5
Condy's crystals ..	3 0	6 0	0 4½
fluid .. ..	13 8	2 3½	1 8½
remedial fluid ..	9 0	1 6	1 1½
Congreve's elixir ..	13 8	2 3½	1 8½
	27 0	4 6	3 4½
Congreve's elixir ..	11 3	1 10½	1 5
	27 0	4 6	3 4½
Contravarm capsules ..	45 0	7 6	5 7½
	4 0	1 0	0 7
	30 0	5 0	3 11
Corizone .. ..	9 0	1 6	1 3
	16 0	2 8	2 3
Corner's oils .. ..	22 0	3 8	3 1
Cornol .. ..	11 6	1 11	1 5
Cortigen ampoules ..	100 0	nil	12 6
Cortiron ampoules—			
2 mgm.	95 0	nil	10 6
5 mgm.	189 0	nil	21 0
10 mgm.	338 0	nil	37 6
Coryzine .. ..	9 0	1 6	1 1½
Counter-pain tablets ..	10 0	1 8	1 6
Cremalka A or D ..	10 10	1 9½	1 8
B .. ..	12 10	2 13½	1 11
C, F or K .. ..	9 4	1 6½	1 4½
lozenges .. ..	10 0	1 8	1 5
Crema-o-Magnesia ..	7 6	1 3	1 3
	8 9	1 5	1 6
Cremo-carbonates ..	50 0	8 4	6 3½
Cremsan ointment ..	6 6	1 1	1 1
Creo syrup .. ..	7 6	1 3	1 4½
Cresival .. ..	31 0	5 0	4 1
Crevalin .. ..	9 6	1 7	1 3
Cristolax .. ..	18 0	3 0	2 3
	31 6	5 3	3 11
Crocus corn comfort ..	5 0	0 10	0 9
Crookes' emulsion ..	24 0	nil	2 0
	42 0	nil	3 6
	222 0	nil	18 6
Crosby's elixir .. ..	12 0	2 0	1 5
	28 9	4 9½	3 4½
Croupline .. ..	10 6	1 9	1 4
Crowe's balsam .. ..	11 3	1 10½	1 5
	27 0	4 6	3 4½
Crusade children's			
cough syrup .. ..	8 6	1 5	1 4½
bronchial			
cough mixt're .. ..			
C.T.Pyrin .. ..	9 0	1 5	1 5
Cupragen cream .. ..	12 0	2 0	1 8
Cuprodine .. ..	12 0	1 0	1 8
Cuprodine-S .. ..	24 0	4 0	3 4
	42 0	7 0	5 4

Item	Trade price per doz.	Purchase tax per doz.	Inclusive retail price each
	s. d.	s. d.	s. d.
Curacne tablets ..	6 6	1 1	1 12
	11 0	1 10	2 0
Curicones .. ..	36 0	6 0	5 0
	173 0	28 10	24 0
Curilax .. ..	9 0	1 6	1 3
Cuticura ointment ..	11 6	1 11	1 5
	23 0	3 10	2 0
Cycloform ointment ..	25 0	4 0	3 1
	162 0	26 0	20 0
powder .. ..	112 0	18 0	14 0
suppositories .. ..	28 0	5 0	3 1
Cyllin capsules, intestinal M 1 ..	40 0	6 10	4 7
M 3 .. ..	12 0	2 0	1 5
	24 0	3 11	2 0
	46 0	7 10	3 2
capsules, stomachic M 1 ..	30 0	4 11	3 5
M 3 .. ..	9 0	1 6	1 1
	18 0	2 11	2 3
	33 0	5 5	3 8
pastilles .. ..	10 0	1 8	1 5
	60 0	10 0	4 0
Cylotropin intravenous ..	77 0	12 9	7 7
intramuscular .. ..	68 0	11 3	6 5
Cystazol tablets ..	20 0	3 4	9 1
	36 0	6 0	5 0
Cystex .. ..	11 3	1 10½	5 1
	27 0	4 6	4 0
	54 0	9 0	9 0
Cystopurin tablets ..	9 0	1 6	1 1
	22 6	3 9	2 1
	36 0	6 0	3 6
Cytobiase .. ..	36 0	5 10	4 6
<b>D</b>			
Daisy powders .. ..	8 6	1 5	1 1
tablets .. ..	39 0	6 6	3 0
Dalmas (Sander) dressing .. ..	4 0	nil	4 0
	8 0	nil	8 0
Dalmex Sulphonet dressing .. ..	44 0	nil	44 0
Dalzofolex bandages—			
2½-in. .. ..	26 6	nil	26 6
3-in. .. ..	33 0	nil	33 0
Dalzo-Lastic dressing ..	4 0	nil	4 0
	8 0	nil	8 0
Damianets .. ..	10 6	1 9	1 1
Davitamon B, ampoules ..	45 0	7 6	5 0
	72 0	12 0	8 4
	270 0	45 0	31 5
tablets .. ..	14 0	nil	14 0
	54 0	nil	54 0
	216 0	nil	216 0
Forte ampoules .. ..	45 0	7 6	5 0
	144 0	24 0	16 8
	567 0	94 6	66 1
tablets .. ..	20 0	nil	20 0
	81 0	nil	81 0
	324 0	nil	324 0



Item	Trade price per doz.	Purchase tax per doz.	Inclusive retail price each
tamon D solution	s. d. 18 0 36 0 288 0	s. d. nil nil nil	s. d. 2 0 4 0 32 0
Forte ampoules	23 0 79 0 275 0	3 9 13 1 45 9	2 6 8 9 30 6
solution	27 0 54 0 432 0	nil nil nil	3 0 6 0 48 0
per Forte ampoules	113 0 385 0 90 0	18 9 64 1 nil	12 6 42 9 10 0
solution	90 0	nil	10 0
E capsules	49 0 369 0	nil nil	5 6 41 0
K ampoules	68 0 234 0	11 3 39 0	7 6 26 0
solution	34 0 95 0 756 0	nil nil nil	3 9 10 6 84 0
tablets ..	34 0 122 0 567 0	nil nil nil	3 9 13 6 63 0
PP tablets	16 0 54 0 216 0	nil nil nil	1 9 6 0 24 0
fer tablets ..	27 0 96 0	nil nil	3 0 12 0
D. balm ..	16 0	2 8	2 0
ordinary ..	11 3 27 0 27 0	1 10½ 4 6 4 6	1 5 3 4½ 3 4½
extra strong ..	27 0	4 6	3 4½
ncy's (Dr.) ointment ..	12 0	2 0	1 8
psoids Dr1 ..	12 0	2 0	1 8
D2 ..	14 0	2 4	1 11½
esive ..	11 3	nil	1 3
il ..	9 0	3 0	1 6
osine ..	14 0	4 8	2 0
ac soap ..	5 0 8 6	1 8 2 10	0 8½ 1 4
atol dusting pdr.	22 0	7 0	3 1
powder ..	40 0	7 0	5 1
olon ointment ..	15 0	2 6	2 1½
oin ..	13 6	2 3	1 6
yl capsules ..	67 6	11 3	7 6
camalt ..	36 0	6 0	5 0
nyl tablets ..	23 0 29 2 252 0	nil 5 5 48 0	2 6 4 5½ 39 0
l ..	25 0	4 0½	3 4
lin ..	10 6	1 8½	1 5
itt's antacid pdr.	13 6 30 0	2 3 5 0	1 8½ 3 9
catarrhal cream	11 6	1 11	1 5
kidney and bladder pills	11 6 27 6 46 0	1 11 4 7 7 8	1 5 3 5 5 8
Laxaliver pills	11 6	1 11	1 5
tablets ..	12 0 20 0	2 0 3 4	1 6½ 2 7½
D wafers ..	22 6 67 6	4 0 11 0	2 10 8 5

Item	Trade price per doz.	Purchase tax per doz.	Inclusive retail price each
Dicalcium phosphate	s. d. 13 6 45 0	s. d. 2 0 8 0	s. d. 1 8 5 8
Dulcet bar ..	24 0 4 9 38 8½	3 10 0 9½ 6 5½	2 10 0 7 4 10
Digeronal ..	49 0 180 0 720 0	nil nil nil	5 6 20 0 80 0
Digestif Rennies ..	131 0 463 0 198 0	nil nil nil	14 6 51 6 22 0
Digipuratum ampoules	720 0 203 0 315 0	nil nil nil	80 0 22 6 35 0
Dimenformon ampoules	77 0 810 0 281 0	nil nil nil	8 6 90 0 31 2
10,000 u. ..	257 0	nil	28 6
50,000 u. 1 c.c.	12 0 24 0 9 0	2 0 4 0 0 9½	1 5 2 10 0 7
2 c.c.	22 6 45 0 31 6	3 6 7 6 5 3	2 10 5 7½ 3 11
5 c.c.	35 5 11 9 26 3	6 9 1 11½ 4 4½	5 0½ 1 5 3 1½
10 c.c.	11 9 26 3 11 9	1 11½ 4 4½ 1 11½	1 5 3 1½ 1 5
10,000 u. vials	28 6 810 0 281 0	4 9 1 6 1 6	3 5 1 3 1 3
dipropionate ointment ..	95 0 419 0 189 0	nil nil nil	10 6 46 6 21 0
Dinneford's fluid magnesia ..	837 0 338 0 11 4	nil nil 1 10½	93 0 37 6 1 5
tablets ..	13 6 9 0 27 0	2 3 1 6 4 6	1 6 1 0 3 0
Diotex ..	40 6 60 0 14 4	6 9 10 0 2 5	4 6 7 6 2 0
Dismenol ..	24 0 11 10 19 8	4 0 2 3 3 9	3 4 1 8½ 2 10
Diuramil ..	27 0 486 0 6 9	5 0 8 10 1 1	3 5 60 9 1 1½
Doan's ointment	11 9 26 3 11 9	1 11½ 4 4½ 1 11½	1 5 3 1½ 1 5
pills ..	28 6 9 0 95 0	4 9 1 6 nil	3 5 1 3 10 6
Doc H powder ..	419 0 189 0 837 0	nil nil nil	46 6 21 0 93 0
Doca ampoules 2 mgm.	338 0 11 4 13 6	nil 1 10½ 2 3	37 6 1 5 1 6
5 mgm.	9 0 27 0 9 0	1 6 4 6 1 6	1 3 3 0 1 0
10 mgm.	27 0 40 6 60 0	4 6 6 9 10 0	3 0 4 6 7 6
Dodds' pills ..	14 4 24 0 11 10	2 5 4 0 2 3	2 0 3 4 1 8½
Do-Do pastilles	27 0 19 8 27 0	4 6 3 9 5 0	3 0 2 10 3 5
tablets ..	486 0 6 9 11 3	8 10 1 1 1 10½	60 9 1 1½ 1 5
treatment ..	27 0 46 0 27 0	5 0 8 0 4 6	3 5 5 8 3 4½
Duo-formula tablets	11 0 46 0 27 0	1 10 8 0 4 6	1 6 5 8 3 4½
Duogestan powder	11 0 45 0 63 0	1 10 nil nil	1 6 5 0 7 0
Dygerma ..	45 0 63 0	nil nil	5 0 7 0
Dyspastol ..	45 0 63 0	nil nil	5 0 7 0
Dys-peps ..	45 0 63 0	nil nil	5 0 7 0
E			
Eade's anodyne ..	11 3 27 0 11 3	1 10½ 4 6 1 10½	1 5 3 4½ 1 5
pills ..	27 0 46 0 27 0	4 6 8 0 4 6	3 4½ 5 8 3 4½
Easu liniment ..	11 0	1 10	1 6
Ecto-Gynoestryl—			
ointment ..	45 0	nil	5 0
solution ..	63 0	nil	7 0

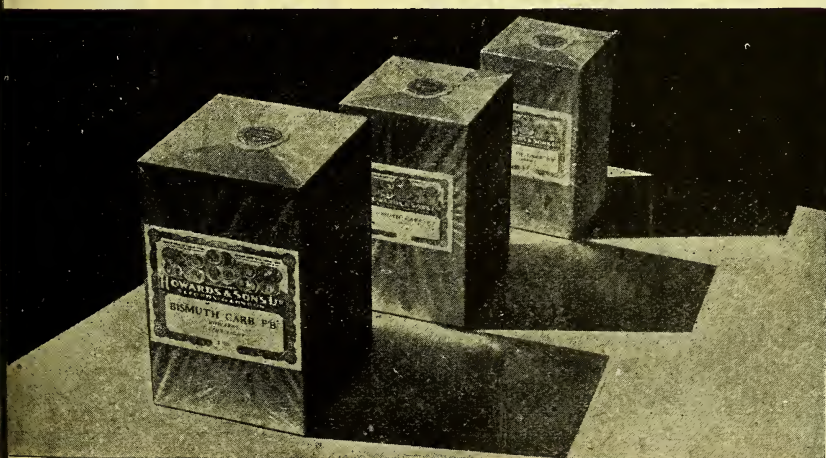
Item	Trade price per doz.	Purchase tax per doz.	Inclusive retail price each
Ecto-Sterandryl ..	s. d. 130 6	s. d. nil	s. d. 14 6
Edgar's lotion ..	25 3	4 2½	3 0
Educol ..	10 0	1 8	1 4½
	36 0	6 0	5 0
Effalgen ..	16 0	3 0	2 3
	84 0	16 0	11 10
Egyptian salve ..	9 9	1 7½	1 4
	22 6	3 9	3 3
Ekner salts ..	17 6	2 11	2 2½
tablets ..	15 0	2 6	1 11½
	21 0	3 6	2 9½
E.L.A. ..	40 6	7 0	5 1
	225 0	37 6	28 1½
Elasto ..	36 0	6 0	5 0
Elastoplast—			
boil dressings ..	4 0	0 8	0 7
corn rings ..	4 0	0 8	0 7
dressing strips ..	10 0	nil	1 3
	14 0	nil	1 9
first-aid dressings	4 0	nil	0 6
	8 0	nil	1 0
Patchettes ..	4 0	nil	0 6
wound dressings	3 0	nil	0 4½
	4 0	nil	0 6
	6 0	nil	0 9
Elityran tablets ..	34 0	nil	3 9
	99 0	nil	11 0
	225 0	nil	25 0
Elixir Gabail ..	39 0	6 6	5 0
	72 0	12 0	9 6
Hæmotone ..	68 0	11 4	8 6
Terpo codein. co.)	80 0	13 4	10 0
Terpo heroin. co.)			
Vitatone ..	60 0	10 0	7 6
Sibec ..	14 0	2 4	2 0
	24 0	4 0	3 4
vitaminæ ..	54 0	9 0	6 3
	91 10	15 4	10 9
	194 5	32 5	22 6
Elliman's universal embrocation ..	12 0	2 0	1 5
	17 2	2 10½	2 2
Elmbalm—			
anti-acid herbs ..	22 0	3 8	2 10
bronchial wafers ..			
indigestion tablets ..	11 0	1 10	1 5
pure-blood tablets ..			
ointment ..	11 0	1 10	1 5
	27 0	4 6	3 5
Elopills ..	24 0	4 0	3 4
Elvesol ointment ..	12 6	2 1	1 8
Emollientine ..	12 0	2 0	1 8
Emulsion Paragol ..	19 0	3 2	2 8
	32 0	5 4	5 0
with phenolphthalein	22 0	3 8	3 0
	36 0	6 0	5 9
Endolex balm ..	13 6	2 3	1 8½
tablets ..	36 0	6 0	4 6
Endomin tablets ..	48 0	8 0	6 0
	200 0	33 0	25 0
	360 0	60 0	45 0
Endrine ..	22 8	3 9	2 10
	45 4	7 7	5 8

Item	Trade price per doz.	Purchase tax per doz.	Inclusive retail price each
Endrine isotonic mild ..	s. d. 22 8	s. d. 3 9	s. 2
Eno's Fruit Salt ..	17 3	2 10½	2
	30 0	5 0	3
E.N.T. capsules ..	4 6	0 9	0
	12 0	2 0	1
	24 0	4 0	3
powders ..	6 0	1 0	0
	12 0	2 0	1
	24 0	4 0	3
tonic wine ..	15 0	2 6	1
	27 0	4 6	3
Entacarb powder ..	10 0	2 0	1
	24 0	4 0	3
Enterofagos ampoules ..	18 5	nil	2
	31 2	nil	4
	139 8	nil	19
Enteropanement ..	67 6	11 0	8
E.O.B.A. ampoules ..	30 0	5 0	4
sclerosant ..	42 0	7 0	5
Ephazone tablets ..	31 6	5 3	3
	90 0	15 0	11
Ephedan ..	20 0	3 4	2
Ephedrine and Merthiolate ..	25 2	4 6	3
	264 7	42 6	31
jelly ..	21 0	3 6	2
Ephedrine Inhalex drops	7 11	1 4	1
Ephedrol ..	12 0	2 0	1
	23 0	3 10	3
Ephregel ..	12 0	2 0	1
Ephrelux ..	28 0	4 8	3
	52 0	8 9	7
Ephresol ..	22 0	3 8	3
Ephretuss ..	26 0	4 4	3
	48 0	8 0	6
Ephynal tablets ..	28 0	nil	3
	72 0	nil	9
Forte tablets ..	80 0	nil	10
	320 0	nil	40
Episeps tablets ..	10 6	1 9	1
Epithedol bandages ..	9 0	1 6	1
tubes ..	12 0	2 0	1
Ergoapiol ..	57 6	9 7	8
Eropto ..	10 0	1 8	1
	18 0	3 0	3
Esoderm ointment ..	13 6	2 0	1
	24 9	4 0	2
	90 0	15 0	10
Estersil ..	14 0	2 4	1
	24 0	4 0	3
E.S.T.P. ..	27 4½	4 6½	3
	45 4½	7 6½	5
	122 0	20 4	15
Ethidol ..	29 3	5 0	3
	103 6	17 6	12
Eubion capsules ..	36 0	6 0	4
Eubrol ..	12 0	2 0	1
	20 3	3 4½	2
Eucortone ..	240 0	nil	25
Eulagen pills ..	13 6	2 0	1
	111 0	18 6	14



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		Per unit			Per dozen		
	(Inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
<b>ANTIPEOL</b>							
MENT	4 oz. tube .. .. .	6/8½	+	8½	50/5	+	8/5
	40 gr. „ .. .. .	3/4½	+	4½	25/3	+	4/3
	20 gr. „ .. .. .	1/10½	+	2½	14/-	+	2/4
UID	40 c.c. bottle .. ..	3/4½	+	4½	25/3	+	4/3
<b>OPHTHALMO-ANTIPEOL</b>							
	gr. Nozzled tube .. ..	3/4½	+	4½	25/3	+	4/3
<b>RHINO-ANTIPEOL</b>							
	gr. Nozzled tube .. ..	2/9½	+	3½	21/-	+	3/6
<b>INTEROFAGOS</b> (ORAL AND INJECTABLE)							
	of 50. ampoules .. ..	19/-		13/3½	None	159/7	None
	„ 10 „ .. .. .	4/3		3/-	None	35/8	None
	„ 5 „ .. .. .	2/6		1/9	None	21/-	None
<b>STENSYL</b>							
	of 500 tablets .. ..	39/-		24/-	+	4/-	288/-
	of 50 „ .. .. .	4/5½		2/8½	+	5½	32/4
<b>JAMES' BALM</b>							
	of approx. 2½ ozs. ..	2/10		1/11	+	4	22/6
	„ „ 1 oz. .. .. .	1/5		11	+	2	11/3
	„ „ .. .. .	1/2		9	+	2	9/-

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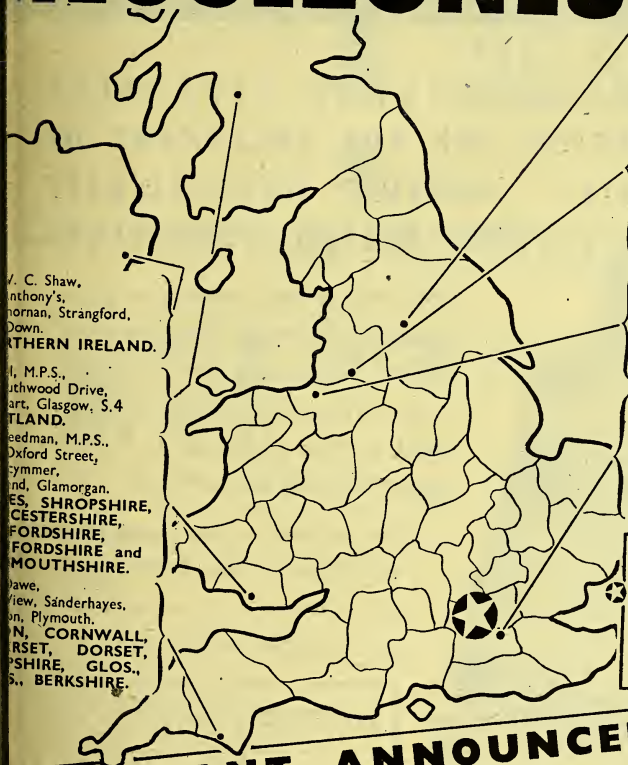
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We are reprinting this announcement as several errors occurred in the copy of 1st. May. We suggest that pharmacists cut out and retain this page for reference in order to avoid delay in dealing with their future requirements.

# MEGGEZONES



W. C. Shaw,  
Anthony's,  
Norman, Strangford,  
Down.  
**NORTHERN IRELAND.**

J. I. M.P.S.,  
Luthwood Drive,  
Gart, Glasgow, S.4  
**SCOTLAND.**

Bedman, M.P.S.,  
Oxford Street,  
Gymmer,  
and, Glamorgan.  
**W. ES, SHROPSHIRE,  
CESTERSHIRE,  
FORDSHIRE,  
FORDSHIRE and  
MOUTHSHIRE.**

W. A. W.,  
View, Sanderhayes,  
on, Plymouth.  
**W. N, CORNWALL,  
RSET, DORSET,  
PSHIRE, GLOS.,  
S., BERKSHIRE.**

E. G. Williams,  
8, Gledhow Park Crescent,  
Leeds, 7.  
**YORKSHIRE, DURHAM,  
CUMBERLAND,  
WESTMORLAND and  
NORTHUMBERLAND.**

R. E. Moore,  
Bective, Lumber Lane,  
Worsley, nr. Manchester.  
**NORFOLK, SUFFOLK,  
CAMBRIDGESHIRE,  
HUNTINGDONSHIRE,  
DERBYSHIRE, NOTTS.,  
NORTHANTS,  
WARWICKSHIRE,  
LINCOLNSHIRE and  
LEICESTERSHIRE.**

R. D. Hobbs,  
Fernside,  
Cambridge Road,  
Hale, Cheshire.  
**CHESHIRE,  
LANCASHIRE and  
ISLE OF MAN.**

L. G. Crook,  
Mapledene,  
58, Alexandra Road,  
Epsom, Surrey.  
**SURREY, ESSEX, KENT,  
OXFORDSHIRE,  
BUCKS., BEDS., HERTS.,  
(except Barnet), SUSSEX.**

**LONDON POSTAL  
AREAS, MIDDLESEX  
and NORTH SURREY.**  
Customers called upon by  
Messrs. W. A. C. Attwood,  
J. F. Cook, L. G. Crook,  
should post orders as usual  
when the best possible allocation  
will be made.

## IMPORTANT ANNOUNCEMENT

In order to ensure equitable distribution and prompt delivery of MEGGEZONES we regret to announce that we can no longer accept orders except through our representatives. A list of these together with their private addresses and the territories which they cover are shown on the map above. Will you please help us by dealing directly with our representatives because any orders sent to Head Office (excepting those in the areas shown) will be referred back to the representative with consequent delay.

This arrangement will apply from May 31st onwards, as orders in hand completely dispose of output for month of May.

**MEGGESON & CO. LTD., LONDON, S.E.16**  
Established in the year 1796

AN IMPORTANT ANNOUNCEMENT TO ALL CHEMISTS

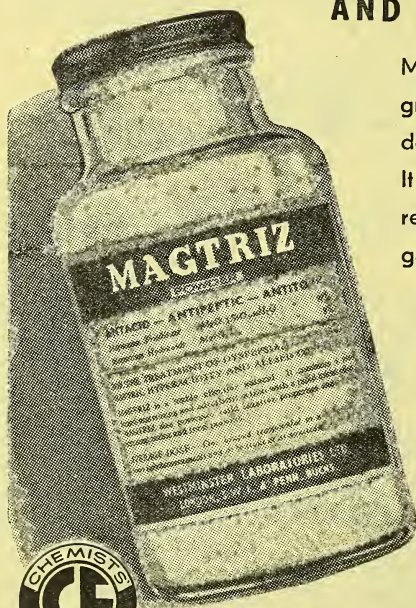
# MAGTRIZ

Regd.

ANTACID—ANTIPEPTIC—ANTITOXIC

Tr.Mk.

**A NEW AND HIGHLY EFFECTIVE  
PREPARATION FOR THE TREATMENT OF  
DYSPEPSIA • GASTRIC HYPERACIDITY  
AND ALLIED CONDITIONS**



MAGTRIZ contains amongst active ingredients Magnesium Trisilicate and is a definite advance in antacid remedies. It not only gives prompt and effective relief, but also neutralises and adsorbs gastric acids for several hours.

The product is being widely advertised to the Medical Profession, and Chemists can recommend it with complete confidence.

MAGTRIZ	RETAIL PRICE incl. P. T.	TRADE PRICE per Doz.	PUR- CHASE TAX per Doz.
Powder, small size	2/6	18/-	3/-
Powder, large size	4/9	34/-	5/8

**P.A.T.A.**

Full particulars sent on request.

**WESTMINSTER LABORATORIES LTD.****PENN, BUCKS.***Telephone: PENN 3137*



# IF IT'S A ? OF BABIES

**YOU CAN RECOMMEND**

**SCOTT'S**  
**M.O.F.** WITH CONFIDENCE  
MIDLOTHIAN OAT FOOD

M.O.F. has been known to the Medical Profession for many years as a splendid body-building food that is processed from the finest Scottish Groats.

M.O.F. is highly recommended for Expectant and Nursing Mothers, Weaning Infants and for Invalids, great care being taken in its

manufacture to ensure that its natural Vitamin B content is preserved.

**A DOCTOR WRITES:** "M.O.F. is an ideal food both before and after the arrival of the baby . . . It promotes lactation and helps to ensure a rapid and satisfactory convalescence." M.D., F.R.C.S.E.

RETAIL PRICE **1/9** per 1 lb. tin  
FOR EXPECTANT AND NURSING MOTHERS  
WEANING INFANTS AND INVALIDS

*Specially processed from the finest*

*Scottish Groats by A. & R. SCOTT LTD.,*

COLINTON, MIDLOTHIAN, SCOTLAND

**SCOTT'S**  
**M.O.F.**  
MIDLOTHIAN OAT FOOD

The Certificate of the Royal Institute of Public Health & Hygiene has been awarded in respect of M.O.F.

# "OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO - THERAPEUTICAL PRODUCTS

**OXO LABORATORY PREPARATIONS**

"OXOID" Brand

## STILBOESTROL

FOR THE TREATMENT OF

**MENOPAUSE**

**MENSTRUAL IRREGULARITIES**

**UTERINE INERTIA**

**SUPPRESSION OF LACTATION**

**AMENORRHOEA, etc.**

A highly potent oestrogenous substance  
for oral administration.

TABLETS: 0.5 mg., 1.0 mg., 5.0 mg.

## OXO LIMITED

**Thames House, London, E.C.4**

★ **OXO LABORATORY PREPARATIONS** ★

## Make the Most of your 'ASPRO' Display

Stickers  
&  
Showcards  
Still  
Available  
but

**PLEASE  
MAKE  
the  
BEST  
USE  
of  
ANY  
YOU  
HAVE!**

We have always pointed out to chemists the importance to their interests of using display material to the best advantage. Now it has come a matter of concern to the nation. Existing stocks of showcards, stickers, etc. must be made to last. They cannot be replaced. Will you please help by making the most of any 'ASPRO' showcards or stickers you already have. You will be doing the best possible service to your business at the same time. So remember a continuous 'ASPRO' show will capitalise your shop the vast 'ASPRO' goodwill created by our advertising campaigns — just as though you paid for advertisements yourself.

### NOTE

We can still supply display material on request. If your present show is worn out put it with your other sale and please write us for a new one.

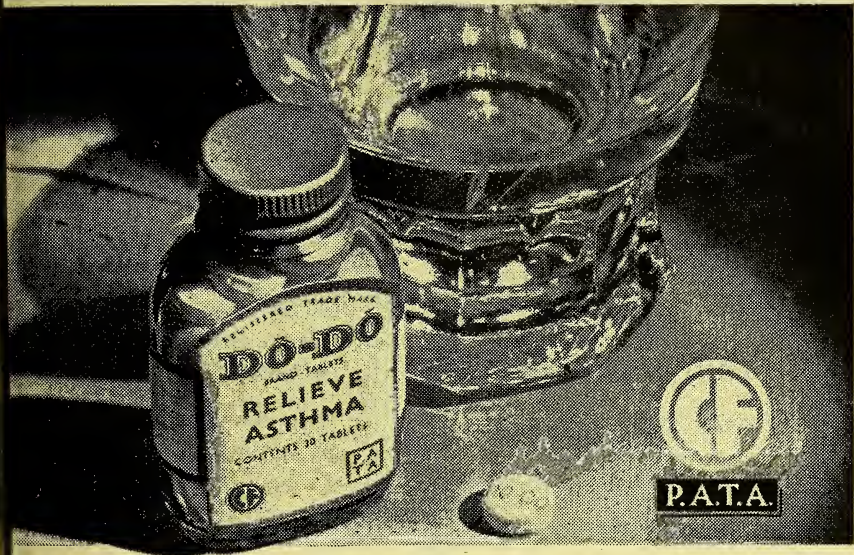
We have a limited supply of chemist 2-oz. bags available at 7/6 per 1,000

# 'ASPRO'

Made in England by  
**ASPRO LTD., Slough, Bucks.**  
Telephone: Slough 22381

**ASPRO**  
REG. TRADE MARK





Largest Selling Asthma Tablet in the World—for the best of reasons  
International Laboratories Ltd., Charlbury, Oxford

## BEAR BRAND HONEY

limited supplies available  
for manufacturing purposes  
against permit

•  
GARVIN & CO. LTD.  
BRANCH

THE BEAR HONEY CO. LTD.

GARVIN HOUSE  
NEWORTH - MIDDLESEX

PHONE: HOUNSLOW 3483 (3 lines)

## Simpkin's

OF

## SHEFFIELD

for

Glucose Confections

Glucose Medications

Vita Glucose Tablets

Vitalised Stomach Powder

Rhumuv Tablets

Medophyll Tablets

Trysol Antiseptic Solution

Chemists are requested to watch  
announcements in Trade Journals  
for latest information with regard  
to rationing and availability of  
these products.

A. L. SIMPKIN & CO. LTD., Sheffield 6

Don't run out of  
**CURICONES**  
before re-ordering

Your wholesaler  
is very short of staff  
and cannot attend to  
orders as promptly  
as previously.

Remember he is as  
short-handed as you.

NOW only 2 sizes

**CURICONES**

Small Size **5/-** Large Size **24/-**

**P.A.T.A.** line showing  $33\frac{1}{3}\%$  profit

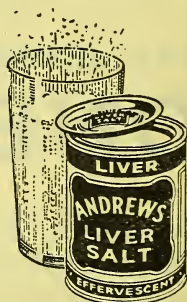
ORDER THROUGH YOUR  
USUAL WHOLESALE

STEPHEN MATTHEWS & CO., LTD.  
19-21 Farringdon Street, London, E.C.4

# While

our representatives are doing their utmost to keep up their regular calls, we feel sure that customers who are off the beaten track will realise that visits cannot now be made as frequently as we should wish.

We assure customers that they are not being neglected! Their accounts are having our best attention, and supplies will be sent as and when they become available. Will they, in return, co-operate by sending their cash direct to Head Office.



## ANDREWS LIVER SALT

*The Ideal*  
**Tonic Laxative**

SCOTT & TURNER LTD.  
Andrews House, Newcastle-upon-Tyne,



# INTERNATIONAL CHEM. CO. LD.

## REVISED CONTENTS OF STANDARD PARCELS

OWING to shortage of labour and packing materials (and in order to comply with the Government's demand for utmost economy), we have been compelled to restrict the direct supply of our four main products to pre-packed parcels only. To meet the requests of a number of our customers, we have recently revised our original parcels to the contents shown below. Retailers requiring assortments other than these can obtain from their Wholesalers.

The minimum for a direct order remains at £5, which can be made up by parcel 'A'; or by any two of parcels 'B' to 'O'; or by any one of 'B' to 'O' plus a selection of our other preparations, such as Alkia Saltrates, Bisuroids, Nemakol and Nemolin. Toilet lines may also be included to the value of your quota.

Co-operation allowances: On orders of £5.....7½% £10.....10%

<b>A</b>	1 doz. 1/5 Bismag Powder	...	12	0
	½ " 2/10 "	...	12	0
	2 " 1/5 " Tablets	...	1	4
	1 " 2/10 "	...	1	4
	1 " 1/9 Pineate Honey Cough-Syrup	...	13	9
	1 " 2/3 Limestone Phosphate	...	18	0
	1 " 1/5 Freezone Corn Remover	...	11	3
			£5	15
	Purchase Tax on all goods and on bonus	...	1	1
			£6	16

<b>B</b>	3 doz. 1/5 Bismag Powder	...	1	16
	1 " 2/10 "	...	1	4
			£3	0
	Purchase Tax on above and on bonus	...	11	8
			£3	11

<b>C</b>	3 doz. 1/5 Bismag Tablets	...	1	16
	1 " 2/10 "	...	1	4
			£3	0
	Purchase Tax on above and on bonus	...	11	8
			£3	11

<b>D</b>	1 doz. 1/5 Bismag Powder	...	12	0
	2 " 1/5 " Tablets	...	1	4
	1 " 2/10 "	...	1	4
			£3	0
	Purchase Tax on above and on bonus	...	11	8
			£3	11

<b>E</b>	1 doz. 1/5 Bismag Powder	...	12	0
	½ " 2/10 "	...	12	0
	2 " 1/5 " Tablets	...	1	4
	½ " 2/10 "	...	12	0
			£3	0
	Purchase Tax on above and on bonus	...	11	8
			£3	11

<b>F</b>	1 doz. 2/10 Bismag Powder	...	1	4
	½ " 2/10 " Tablets	...	1	16
			£3	0
	Purchase Tax on above and on bonus	...	11	8
			£3	11

<b>H</b>	1½ doz. 1/5 Bismag Powder	...	18	0
	3 " 1/5 " Tablets	...	1	16
			£2	14
	Purchase Tax on above and on bonus	...	10	6
			£3	4

<b>J</b>	2 doz. 1/5 Freezone Corn Remover	...	1	2
	1 " 2/3 Limestone Phosphate	...	18	0
	1 " 1/9 Pineate Honey Cough-Syrup	...	13	9
			£2	14
	Purchase Tax	...	9	0
			£3	3

<b>K</b>	4 doz. 1/9 Pineate Honey Cough-Syrup	...	2	15
			9	2
	Purchase Tax	...	£3	4

<b>L</b>	6 doz. 1/5 Freezone Corn Remover	...	3	7
			11	3
	Purchase Tax	...	£3	18

<b>N</b>	2 doz. 1/5 Freezone Corn Remover	...	1	2
	2 " 1/9 Pineate Honey Cough-Syrup	...	1	7
			£2	10
	Purchase Tax	...	8	4
			£2	18

<b>O</b>	3 doz. 2/3 Limestone Phosphate	...	2	14
			9	0
	Purchase Tax	...	£3	3

Above consumer prices include Purchase Tax

**BONUS TERMS:** 14 to the dozen on 'Bisurated' Magnesia Powder and Tablets in return for fourteen days' window display. 'Bisurated' Magnesia Powder—Bonus in Mint Powder. 'Bisurated' Magnesia Tablets—Bonus in Tablets.

All goods sent Carriage Paid in returnable boxes

LIFTON HOUSE, EUSTON ROAD, LONDON, N.W.1

# NATIONAL ADVERTISING

for this excellent and  
**PROVED PRODUCT**



The therapeutic value and purity of Vironita justify universal trade support. The formula fulfils the special requirements of an independent consulting Scientific and Analytical Staff. Our advertising in the National and Provincial Press including the *Daily Mail*, *Sunday Dispatch*, *Sunday People*, *Daily Herald* and *John Bull*, in addition to outdoor publicity, ensures quick turnover of stock.

All stocks are warranted to comply with the Food and Drug Act and all Statutory requirements.

# VIRONITA

Obtainable from your wholesaler

**M. CALTHORPE AND COMPANY**  
VINYARD WORKS, OSSETT, YORKS

## NEW FACTS

on the uses of

## IODINE

for many common ailments  
including

**THE COMMON COLD  
INFLUENZA  
ASTHMA and HAY FEVER**

Iodine has a wide field of service in medicine and therapy. Many up-to-date therapeutic and prophylactic uses of iodine are described in our new bulletin "The Hygiene of War." Write for a copy to-day.

**IODINE EDUCATIONAL BUREAU**  
21 Stone House, Bishopsgate, London, E.C.2

Living Profit Guaranteed 46 Years on the P.A.  
Awarded Certificate of Merit at the Tasman  
Exhibition, 1891

**KEARSLEY'S** (150 Years' Reputation)  
**WIDOW WELCH'S** Original  
**FEMALE PILLS**

10d. **BOX PROFIT** by ordering 1 dozen 2/10  
Bonus box given on every dozen (13). It pays  
push this size.

N.B.—These Pills do not contain any deleterious  
or prohibitive drugs, and can be sold with safety.

**C. & G. KEARSLEY, LTD.**  
71 DARTMOUTH RD., FOREST HILL, LONDON, S.E.  
Established 1787 In the Reign of King George III.

## GUM TRACACANT

**GUM KARAYA**  
WHOLE AND POWDERED

**M. HAMBURGER & SON**  
DIRECT IMPORTERS

The Hawthorns, Leatherhead Road  
**GT. BOOKHAM, SURREY**

Phone: Bookham 2746/8 'Homaclon, Bookham



# ISCELLANEOUS OPPORTUNITIES

invite inquiries for the following: **Peppermint Oil**, Wayne County; **Aniseed Oil**, "Ed Ship" brand; **Eucalyptus Oil**, 70/75%; **Eucalyptus Oil**, 80/85%; **Clove Oil**, English filled B.P. quality; **Clove Oil**, Zanzibar; **Non Grass Oil**, 75/77%; **Lemon Grass**, Genuine Cochin, 76/79%; **Lime Oil**, West Indian; **Genuine Florida Grape Fruit Oil**; **Formian Lemon Oil**; **Palestine hand-pressed Sweet Orange Oil**; **Jamaica hand-pressed Sweet Orange Oil**; **Chinese Menthol Crystals**; **Japanese Menthol Crystals**.

All goods in original packing.

**CHEMICALS AND ESSENTIAL OILS, LTD.**,  
Store House, 95 Aldwych, London, W.C.2.

## Inquiries Invited for

**Epsom Salts, B.P.**

**Glauber Salts, B.P.**

**Talc Powders**

**Chalks, Powdered**

**Gum Karaya Powder**

**Gum Tragacanth Powder**

**Rapeseed Oil, Refined**

**Soapless Cleanser Fluid**

**Flowers of Sulphur, B.P.**

**Sodium Bicarbonate, B.P.**

**Zinc Oxide, B.P.**

**Zinc Stearate**

**Powdered Gelatines**

**Castor Oil, B.P.**

**Sweet Disinfectant Fluids**

**RAW MATERIALS for ALL Trades, etc.**

**The Faylene Manufacturing Company**

15 Queens Court, Lower Briggate, Leeds, I

Phone: Leeds 22594

**TABLET MANUFACTURERS** are in a position to accept Contracts or Sub-Contracts for tablets (including Saccharin), in large or small quantities, also tableting from your own formulae. Existing facilities also available and prompt delivery assured.—Inquiries, CDB/150, London Office of Paper.

## DEODORANTS

**COVERING MATERIALS** for all industrial purposes.

**ESSENTIAL OILS—Wholesale only!**

**M. AGUSTI HIDALGO (LONDON) LTD.**

Midland Bank Chambers, Market Place, London, W.1

**EDMAN BOX CO.**, 88 Hackney Road, E.2, can supply large and small quantities 1 oz. and 2 oz. Powder boxes; Mascara Lip Stick Refills.

## WANTED

**SACCHARINE TABLETS**, large or small quantities acceptable, cash with order.—CDB/156 London Office of this Paper.

## OFFERED

**French Chalk**; **Talc Powder**; **Zinc Oxide, B.P.**; **Creta Praecip.** and **Prep.**; **Kaolin, Opt.**; **Triethanolamine Substitute**; **Gum Tragac.** **Karaya, Acacia**, finest white powders; **Waxes—Cera Alb.** and white substitute; **Paraffin**; **Ceresine White, Spermaceti**; **Gelatine**; **Oils—Peppermint, White**, etc.; **White and Yellow Soft Paraffin**; **Sulphonated Lauryl Alc liquid substitute**; **Emulsion Wax (Tegin. Subs.)**; **Green Soft Soap (Hairdressers)**; **White Block Stearic Powder**; **Raw Materials**; **Special Quantity Prices**; **Your Wants Solicited**.

**HENSHAW, M.P.S.**

Claremount Road, Weymouth. Tel. 448.

To clear: 50 gross of 2-drachm **Perfume Bottles**, with Bakelite Caps, Wads, White Glass with ribbed backs. 48/- gross, carriage extra. To clear: 4 cwt. of **Sodium Perborate**, Powdered, at 2/- per pound, carriage extra.

## "SULPHONATED HYDROLOL"

The new substance which has just been produced, "Sulphonated Hydrolol," can be used as a synthetic soap in the same way as all sulphonated fatty alcohols. A fine white smooth powder, soluble in water. A 1 per cent. solution in water produces an abundance of lather greater than that of any other known substance. It cleanses; it is unaffected by weak acids and alkalis; and is harmless to the skin. Price 8/- per pound. Sample lots at 9d. per oz.

**H. G. BROCKHURST, LTD.**

High Road, North Finchley, London, N.12.

Visible } boxed in 3000 1½ in., 9/- per 1000  
Pins } " " " 2000 2 in., 11/3 "  
Goods, heavy qual., assort. shades 11/- per dozen  
above Goods Subject to 33½ per cent p. t.  
Slides, assorted shades, 30/- per gross  
Curlers, 3 on a card 5/9 per dozen cards  
stick Containers, wooden, brightly  
polished 12/6 per dozen  
Cum Powder, Janet Masee, 12/- "  
Quer, Janet, 18/- "  
above Goods Subject to 100 per cent p. t.  
available Hair Nets, Torch Batteries, Sanitary  
Wells, Baby Napkinettes, etc. Send S.A.E. for  
of goods available.

**RENE PRODUCTS**, 18 Waltham Ave.  
Kingsbury, N.W.9.

Pre-War 8 oz.

## POWDER DRUMS



with close-fitting push-on lids

Surplus stock (approx. 460 gross).  
If whole quantity taken 14/9 per gross, ex warehouse, Paddington.  
Slightly higher prices for smaller quantities (minimum 5 gross).

**J. W. SIMPSON (Chemist) Ltd.**  
43 Museum St., London, W.C.1

# *The Natural Calcium Compound*



'Calfos,' which is derived from natural sources, supplies calcium and phosphorus in a palatable, concentrated form which ensures absorption in the correct physiological ratio. It thus marks an advance in nutritional therapy of outstanding importance to all who suffer from calcium and phosphorus deficiency.

WIDELY ADVERTISED TO THE MEDICAL PROFESSION

## TRADE & RETAIL PRICES

	Face Price Exclusive of Tax	TRADE PRICE per dozen	Purchase Tax per dozen	Minimum Retail Price including Purchase Tax
Box of 50 Tablets	2/6	20/-	3/4	2/9½
Box of 120 Tablets	4/9	38/-	6/4	5/3½

Special terms are available for hospital packs.

DISPLAY CARD ON REQUEST

Supplies from your wholesaler or

## CALFOS LIMITED

IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2

Temple Bar 3629

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# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

MAY 15  
1943

Advertisements in this supplement must be prepaid and should reach us not later than WEDNESDAY week of issue. Box Office numbers cost 1/-. Late advertisements will be held over to following week

## MATTENE Liquid Stocking is the Chemist's Best Seller!

Very profitable and easy to make

We can supply Mattene Liquid Stocking Colour in Beige, Tan, Gunmetal

### FORMULA FREE!

1 lb. for 1-lb. lots }  
1 lb. for 7-lb. lots } of any one colour.  
1 lb. for 56-lb. lots }

Packings free. Carriage paid. 5% discount to Customers collecting their Goods.

Norman Dietetic Laboratories, Ltd.  
Cricklewood, Broadway, N.W.2  
GLADSTONE 1084

## EXCEPTIONAL OFFERS

**Genuine Talc**  
**Talc Substitute**    **Zinc Stearate**  
**Mineral Oils**  
**Spermaceti**    **Stearic Acid**  
**Essential Oils**  
Bulk Inquiries only

**J. J. VIGON & CO.**

30 Fenchurch Street, London, E.C.3  
Telephone: Mansion House 2034/5

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FOR THE

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations  
Particulars:—

**C. A. SCURR**, F.S.M.C., F.B.O.A., F.N.A.O.,  
F.I.O., F.C.O., M.P.S.  
50 HIGH STREET, BARNET, LONDON, N.

## BRUSHLESS SHAVING CREAM

BULK ONLY

SAMPLE GRATIS

PAWSTRON, M.P.S., Waterfoot, LANCs.

ages, 1 in. to 3 in. assorted, 12/6 gross. Cascara  
s, "Medico" 100's, 14/6 dozen bottles. Finger  
58/- gross assorted. Anatomizers, small, 42/-  
Hair Nets, silk, 33/- gross. Hair Pins, 14/6  
-in. lengths covered wire, suitable Hair Curlers,  
oss. Combs, 6-in. and 7-in., 16/- dozen. Dust  
s, 6/6 dozen. Purchase Tax included, where  
ple. Harringtons (London Office), 2, Berridge  
Edgware, Middlesex. Tel. EDG. 3610.

**PLAIN ROUND JARS**,  $\frac{1}{2}$  oz., 2/- doz.; 1 oz.,  
2/6 doz.; 2 oz., 2/9 doz. All with metal screw  
caps. Carriage paid. Discounts for quantities.  
H.S. Bottle Co., 29 Sherwood Hall, East End  
Road, London, N.2.

## SACCHARINE ENVELOPES

Ungummed, plain, 4/11 per 1,000. Gummed,  
printed standard wording (100's), 6/6 per 1,000.  
Special prices for larger quantities.

**LEWIS EAST, LTD.**

Envelope Makers

84 Romway Road, Leicester

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Manufacturers of pharmaceutical  
products are invited  
to communicate, in  
strict confidence, with  
**National Agencies**. This  
unique selling organisation  
exists for one  
purpose only—Sales.  
It is at your sole disposal  
because competitors' products  
are not handled.  
Write now.

**National Agencies** cover the country.  
Street House, 415/417 Oxford Street, London,  
Telephone: MAYFAIR 4973

**National  
Agencies—**

**ALL COSMETIC COLOURS** in stock guaranteed harmless  
Lipstick colour, Light, Medium, Dark, Cherry,  
Vivid Vermilion, Dark Rust, Geranium, Brilliant,  
16/- lb. Liquid Stocking Colour, Rightan; Dark  
Tan, Tan Beige, Gunmetal. 8/- lb. Formula Free.  
Hair Rinse Colour, Black, 6/-  $\frac{1}{2}$  lb. Brown Golden  
Brown, 7/-  $\frac{1}{2}$  lb. Blonde, Auburn, Grey, Blue,  
8/-  $\frac{1}{2}$  lb. Simple Formula Free with any four  $\frac{1}{2}$  lb.  
Also colours for Mascara, Nail Varnish, Bath Salts,  
Liquid Make-up, Face Powder, Rouge, Brillantine,  
Eyebrow Pencil, etc., etc.  
Genuine Sulphonated Fatty Alcohol Liquid (can  
be diluted 3 or 4 to 1). 4/- lb. Minimum 9 lb.  
Ditto Powder. 4/9 lb.

All carriage paid C.W.O. or C.O.D.

**THE CREIGHTON (AGENCIES) CO.**  
1a Queens Parade, Muswell Hill, N.10

**POWDER CREAM** (4 shades), **COLD CREAM**,  
**COMPLEXION MILK**, **VANISHING**  
**CREAM**, **MATTE LIQUID MAKE-UP**,  
**MIAMI LEG TAN.**

Genuine, tested formulae that ensure repeat business. 5s. each from

Thacker, M.P.S., 8 Westbury Avenue, N.22

**HAIR CREAM JARS**, 48/- gross.

2½ oz. PANELS, 30/- gross.

Complete with Screw Caps.

**Clearance Line:** 1 oz. Jars, complete with Screw Caps, at 22/- gross. 5-gross lots carriage paid. C.W.O.

**E. CHARLTON**, King St., Farnworth Lincs

**BOTTLES AND JARS**, small and big quantities; 1 oz. and 2 oz. toilet bottles, sprinklerneck; and wide mouth 4 oz. flat bottles, all with bakelite caps; ½ oz. pipette bottles; ½ oz. amber squared jars; 1 oz., 2 oz. jars; 5 oz. and 10 oz. haircream jars, all with metal caps. **Ada & Co.** (London) Ltd., 25 Woodberry Grove, N.4.

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**CHEMIST** required for Pharmacy Department modern store. Either sex, exempt Military Service. Salary up to £400. 433/873, London O of this Paper.

**CORNWALL.** Wanted qualified Chemist shop exempt; state age and salary required. Mich Pharmacy, Ltd., 35 Fore Street, St. Austell.

**LEEDS** Industrial Co-operative Society, require Qualified Chemist to manage branch. Applications are invited from chemist either sex who are not eligible for call-up or training and have had suitable experience. Apply stage, experience, salary required, and when available for interview (full expenses paid), to Secretary Albion Street, Leeds, marked "Pharmacy."

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**PHARMACIST**, Lady, Assistant and/or Manager. Minimum salary £6. South Birmingham Apply, Co-operative Society, Ltd., Stirchley Birmingham, 30.

**QUALIFIED** Locum wanted, May 31, for 4 weeks. Please send full particulars in letter to Lausdale and Co., Chemists, Queens High Wycombe.

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**WANTED**, Qualified Assistant. Must be ex Military Service. Chiefly N.H.I. dispatch State full particulars and salary required. 44 London Office of this Paper.

**WANTED**, Qualified Pharmacist, Male or Female, exempt military service, for Temporary position in County Supplies Department. Salary £350 per annum plus cost of living. Apply in writing to the Manager, West County Supplies Department, Cliff Lane, Warrington.

**LOCUMS WANTED**

**LOCUM**, fully qualified, required for 4 weeks during August or September. Take charge of small department. No Sunday Richmond. Apply, giving full particulars and required. Coppen Bros., Ltd., 16-18 Rutland Street, Vincent Square, Westminster, S.W.1.



**CUM.** Qualified Pharmacist (either sex) required for 4 weeks, any time, whole period or any night. May to September. Please state usual particulars to Berry, Chemist, 96 Craven Park Road, Epsen, N.W.10.

**CUM** Pharmacist (qualified) required for two weeks, from June 19. Salary six guineas per week. Apply to the Pharmacist, King George Hospital, Ilford, Essex.

**CUM** required for one month during summer. Could be divided into separate fortnights. Could be divided into separate fortnights. **Lloyd, Ltd., Brighton Road, Aldershot.**

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**ISTANT** Chemist required for Laboratory of Essence Manufacturers in the North West. Technical experience essential. Reply in confidence with full details, 433/877, London Office of this Paper.

**EF** Clerk, exempt war service, wanted immediately, with knowledge of motor transport. **ould Whitehouse, Ltd., Manufacturing Chemists Drug Packers, Dudley, Worcestershire.** State experience and wages. Permanency for right. Address applications to Geo. Raybould, 16 The Broadway, Dudley, Worcestershire. Envelope C.C.D.

**ERIEENCED** Man required to take charge of small Manufacturing and Packing Department Wholesale Chemists' business. Over military age. **mpmt. Midlands, 434/906, London Office of this Paper.**

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**ANENT** full-time appointment vacant as tentative calling on hospitals and doctors in **ester/Liverpool** district for well-known London manufacturing chemists. Applicants must be military service. Write details qualifications, experience, salary required. Strictest confidence. (Our staff is aware of this vacancy.) **ed, 3, London Office of this Paper.**

**LESS** Foreman wanted in Lancashire coastal town to take control of bulk manufacture. **e** capable of controlling male staff, planning and keeping accurate records. Give full of experience, salary required, age and post-**garding** military service. 433/892, London Office of this Paper.

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**R** **REPRESENTATIVE** to call on Doctors and Dental Surgeons. Write fully giving details of previous experience and territory, if any, also age and salary required to the Sales Manager, Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

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